

**Site-specific Control Measures**

Number the structural and non-structural stormwater control measures identified in the SESC Plan and on the SESC Site Plans and list them below (add as necessary). Bring a copy of this inspection form and any applicable SESC Site Plans with you during your inspections. This list will assist you to inspect all control measures at your site.  
 FILL THIS TABLE USING THE SESC PLAN TABLES 2.11 & 3.12.

	Location/Station	Control Measure Description	Installed & Operating Properly?	Assoc. Photo/ Figure #	Corrective Action Needed (Yes or No; if 'Yes', please detail action required)
1	Construction Site Exit including decontamination pad	RIDOT Standard Specifications  RI Soil Erosion and Sediment Control Book	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	see photo log	
2	Project-wide including material stockpiles	Perimeter – compost filter socks (RIDOT 9.2.0); Stockpiles – haybales (RIDOT standard specification 206, 212)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
3	Project wide including material stockpiles	RI SESC Handbook  Water for dust control/cover stockpiles  RIDOT Standard Specification/RISEC Handbook	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
4	Adjacent Roads	Roads adjacent to construction site shall be clean at the end of each workday	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
5	Project-wide	Pickup construction trash/debris	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
6	Project-wide	Spill prevention/spill containment measures	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
7			<input type="checkbox"/> Yes <input type="checkbox"/> No		
8			<input type="checkbox"/> Yes <input type="checkbox"/> No		

**General Site Issues**

Below are some general site issues that should be assessed during inspections. Please **customize** this list as needed for conditions at the site.

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
1	Have all control measures been installed as specified in the RISESC Handbook and prior to any earth disturbing activities?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	see photo log	
2	Are appropriate limits of disturbance (LOD) established?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	↓	
3	Are controls that limit runoff from exposed soils by diverting, retaining, or detaining flows (such as check dams, sediment basins, etc.) in place?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
4	Are all temporary conveyance practices installed correctly and functioning as designed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
5	Has maintenance been performed as required to ensure continued proper function of all temporary conveyances practices?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
6	Were all exposed soils seeded by October 15 <sup>th</sup> ?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
7	Have soils been stabilized where earth disturbance activities have permanently or temporarily ceased on any portion of the site and will not resume for more than 14 days?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
8	In instances where adequate vegetative stabilization was not established by November 15 <sup>th</sup> , have non-vegetative erosion control measures must be employed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
9	If work is to continue from October 15 <sup>th</sup> through April 15 <sup>th</sup> , are steps taken to ensure that only the day's work area will be exposed and all erodible soil is stabilized within 5 working days?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
10	Have inlet protection measures (such as fabric drop inlet protection, curb drop inlet protection, etc.) been properly installed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
11	Has the operator cleaned and maintained inlet protection measures when needed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
12	Has the operator removed accumulated sediment adjacent to inlet protection measures within 24 hours of detection?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		



	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
13	Has the operator properly installed outlet protection (such as riprap, turf mats, etc.) at all temporary and permanent discharge points?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
14	Are all outlet protection measures functioning properly in order to reduce discharge velocity, promote infiltration, and eliminate scour?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
15	Have all discharge points been inspected to ensure the prevention of scouring and channel erosion?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
16	Have sediment controls been installed along perimeter areas that will receive stormwater from earth disturbing activities?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	see photo log ↓	
17	Is the operator maintaining sediment controls in accordance with the requirements in the RI SESC Handbook?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
18	Have temporary sediment barriers been installed around permanent infiltration areas (such as bioretention areas, infiltration basins, etc.)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
19	Have staging areas and equipment routing been implemented to avoid compaction where permanent infiltration areas will be located?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
20	Are surface outlet structures (such as skimmers, siphons, etc.) installed for each temporary sediment basin? [Exception: frozen conditions]	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
21	Have all temporary sediment basins or traps been inspected and maintained as required to ensure proper function?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
22	Does the project include the use of polymers, flocculants, or other chemicals to control erosion, sedimentation, or runoff from the site?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
23	Are all chemicals being managed in accordance with Appendix J of the RISESC Handbook and current best management practices?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	see photo log	
24	Has the site operator taken steps to <b>prohibit</b> the following pollutant discharges on the site?			
a	Contaminated groundwater.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	see photo log	

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
b	Wastewater from washout of concrete; unless properly contained, managed, and disposed of.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
c	Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction products.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
d	Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	see photo log	
e	Soaps or solvents used in vehicle and equipment washing.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
f	Toxic or hazardous substances from a spill or other release.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
25	Is the operator using properly constructed entrances/exits to the site so sediment removal occurs prior to vehicles exiting?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	↓	
26	If needed, are additional controls (such as rumble strips, rattle plates, etc.) in place to remove sediment from tires prior to exiting?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
27	Is sediment track-out being removed by the end of the same workday in which it occurs (via sweeping, shoveling, or vacuuming)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	see photo log	
28	Are all wastes generated at the site being managed and properly disposed of by the end of each workday?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
29	Are all chemicals and hazardous waste materials stored properly in covered areas and surrounded by containment control systems?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
30	Has the operator established highly visible locations for the storage of spill prevention and control equipment on the construction site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
31	Are allowable non-stormwater discharges being managed properly with adequate controls?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
32	Is the site operator properly managing groundwater or stormwater that is removed from excavations, trenches, or similar points of accumulation?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
33	Are proper procedures and controls in place for the storage of materials that may discharge pollutants if	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	↓	



	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
	exposed to stormwater?			
	Are stockpiles located within the limits of disturbance?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	See photo log	
	Are stockpiles being protected from contact with stormwater using a temporary sediment barrier?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	↓	
	Where needed, has cover or appropriate temporary vegetative or structural stabilization been utilized for stockpiles?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
	Is the operator effectively managing the generation of dust through the use of water, chemicals, or minimization of exposed soil?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	See photo log	
	Are designated washout areas (such as wheel washing stations, washout for concrete, paint, stucco, etc.) clearly marked on the site?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
	Are vehicle fueling and maintenance areas properly located to prevent pollutants from impacting stormwater and sensitive receptors?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	See photo log	
	(Other)			

## Photos:




<p>Photo #: 1</p>  A blue dump truck is parked on a gravel pad. To the left of the truck is a large pile of light-colored material, possibly soil or gravel. The background shows bare trees and a clear blue sky. The truck is facing right, and its bed is slightly raised.	<p>Station: North Site</p> <p>Description: Decontamination pad located on Lot 2682</p>
<p>Photo #: 2</p>  A temporary soil stockpile area is shown. A large pile of soil is covered with a white tarp. The area is surrounded by dirt and some sparse vegetation. In the background, there is a large white industrial building and a smaller brown building. The sky is clear and blue.	<p>Station: North Site</p> <p>Description: Temporary soil stockpile area. Stockpile was actively being managed and was recovered at the end of the workday.</p>



Photo #: 3	Station: North Site Description: Construction access road leading to Mill St from Lot 1102. Adjacent roadway kept clean from any soil track-out from exiting vehicles/equipment.
	
Photo #: 4	Station: Northeast Site Description: CFS staked on northeastern property boundary.
	

Photo #: 5	Station: South Site Description: Staked silt fence on south east side of Site in floodway.
	
Photo #: 6	Station: Southeast Site Description: CFS located on southeast side of Site.
	



Photo #: 7	Station: South Site
	Description: Fractionation tanks to be used to manage groundwater in excavations.

**BASF**  
**180 Mill Street, Lot 1102**  
**Cranston, RI**


Date	Name	Company Name	Time In	Time out
11/12/18	MIKE JAMPOS	SES	0530	1600
11/12/18	JOHN LEBRON	SES	7:00	1630
11/12/18	John Gomes	SES	700	1600
11/12/18	Joe Hefner	SES	700	3pm
11/12/18	Aaron Ting	AEI	0700	1600
11/12/18	Joseph Diebaum	AEI	0700	1600
11/12/18	Charles McCarthy	SES	0721	1400
11/12/18	Evan Harring	AEI	1030	1600
11/16/18	Brian Roe	SEL	0530	1600

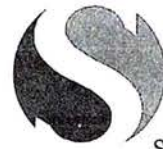


**AEI**  
Consultants

Date: 11/13/2018

Temp: 50-27  
(Hi - low)

PERSONNEL/EQUIPMENT			EQUIPMENT/MATERIALS RECEIVED:		
Contractor	No.		Owner/Representative: N/A		
	Superintendent				
	1 Foremen	SES	AEI Personnel: Aaron Ting 1		
	H&S/QA Officer		Robert Medaglio 1		
	2 Operators	SES	Evan Harring 1		
	1 Laborers	SES			
	Other Trades (Surveyor)				
SubContractor	No.	Company/Firm	Visitors On Site: N/A		
	7	Total Personnel On Site			
<b>MAJOR EQUIPMENT:</b>			<b>EQUIPMENT/MATERIALS RECEIVED:</b>		
1 support truck, Bobcat 289D skid steer, CAT 320C and 320E excavators			demobe 20-yd metal recycling container		
CAT 996H Loader, 20-cy dump trailer, 5 and 1 micron filters,					
carbon filtration system, Bobcat 50E with hammer attachment					
2-trash/recycling bins, 2-100 yd rail cars, 2-21,000 gallon frac tanks					
4,000 gallon baffle, 10,000 gallon, 8,000 gallon and 20,000 gallon frac tanks					
<b>WORK COMPLETED:</b>					
Redig (half day) of sidewall from TP-5 excavation. Soil removed was transported across street to Lot 2682 for temporary stockpiling and future rail transport. Approximately 5.4 cy of soil was removed. AEI collected post excavation soil samples for PCB analysis (laboratory only since in floodway).					
SES cut soil from floodway area previously test pitted. Test pit results indicated no PCB impact, so soils are being utilized as onsite backfill. 164 cy of soil removed from excavation.					
Material Sand and Gravel onsite to deliver imported Common Borrow. About 92.7 cy was delivered today.					
Backfilled excavations in the floodway using the imported Common Borrow. Soils were graded using loader bucket. Limited compaction of soils performed.					
SES continued treating groundwater stored in the onsite frac tanks. About 6,000 gallons was treated today using the carbon/micro filtration system. The water is being stored in the 20,000 gallon frac tank awaiting offsite transport to Global in Taunton, MA.					
Loaded two 20-yd trailers with debris destined for RIRRC in Johnston, RI. 7 loads of debris (210 tons) and 2 loads of soil (60 tons) were transported to the disposal facility.					
AEI setup perimeter dust monitors. No dust alerts observed.					
<b>HEALTH &amp; SAFETY:</b>					
AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedure and content of SES's HASP."					
AEI Signature 					
SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.					
<b>ISSUES/CHANGES/RESOLUTIONS:</b>					
N/A					
<b>DISCUSSIONS/CLIENT DIRECTION:</b>					
N/A					



## DAILY WORKSHEET

Date: 11/13

Project Number: 18-0315

### CLIENT / SITE INFORMATION

Name: BASF

Address: 180 Mill St  
CRANSTON RI

Contact:

PROJECTS NOTES MDG TO SITE TAILGATE TALK. SETUP RESAMPLE

CELL 426 8.85 TON. DRCO BUCKETS DIG OUT FLOODWAY TEST PIT AREA  
AND PACE INTO CELL 408 AND 414. IMPORT MATERIAL FROM MATERIALS - 4 LOADS  
LOAD OUT RIRRC 5 LOADS. TURNED 6 LK OF WATER

### LABOR

Name	Position	Travel	On-site	Off-Site	Travel
<u>B. ROE</u>	<u>FS</u>	<u>5:30</u>	<u>6:30</u>	<u>15:00</u>	<u>16:00</u>
<u>C. MC. CARTHY</u>	<u>FT</u>	<u>6:30</u>	<u>7:00</u>	<u>15:00</u>	<u>15:30</u>
<u>J. GOMES</u>	<u>OP</u>	<u>6:30</u>	<u>7:00</u>	<u>15:00</u>	<u>15:30</u>
<u>J. LEIGHTON</u>	<u>OP</u>	<u>6:30</u>	<u>7:00</u>	<u>13:00</u>	<u>13:30</u>

### MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
	PPE Level: A B C D
1	CAT 320
1	CAT 966 Hill (used)
1	CAT SKID
1	Roller
1	CAT 320
1	Roller
2	2" Sumps
3	GRW
1	2" TRASH PUMP
1	Roll Poly
1	TOILET

### SUBCONTRACTORS

### WEATHER OBSERVATIONS

Project Manager's Signature: \_\_\_\_\_

Client's Signature: \_\_\_\_\_



**Project:**  
**BASF Facility**  
**Cranston, RI**  
**Date ( 1/1/13 )**

SES, Sutton, MA  
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### Servicing or Maintenance Work Description

Description of Work: CMI Implementation Project

Start Date / Time: (Date) (Time) 11/13/18 07:10

Location of Work	180 Mill Street, Cranston, RI
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**Strategic Environmental Services, Inc. (SES)**

Primary/Lead Company Name: SES

Contact Person: Brian Ratz

Contact phone # 508 326-6523

**Health and Safety (H&S) Plan (HASP) Signatures**

Sign-off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site, and/or daily H&S briefing. All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a tailgate safety meeting is required daily, and as otherwise deemed necessary by the Site Health and Safety Officer. By signing below, an individual certifies that he has read, understood, and will observe the contents of this HASP and Daily Safe Work Form with Pre-Task Planning Form.

### Health and Safety Meeting

[illegible]

### Visitor Log

It is SES's policy that visitors must furnish their own personal protective equipment. All visitors are required to sign the visitor log and comply with Health and Safety Plan requirements. If the visitor represents a regulatory agency concerned with site health and safety issues, the Designated Site Supervisor shall also immediately notify HSC.

[illegible]

Project: BASF Facility Cranston, RI Date ( 11/13 )	<b>DAILY SAFE WORK FORM</b>	SES (Page __ of __)
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<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date ( 11/13 )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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Type of Equipment/Vehicles/Motorized Equipment			
<input checked="" type="checkbox"/>	Field Service Trailer	<input checked="" type="checkbox"/>	Roll-off Tractor Truck
<input checked="" type="checkbox"/>	Excavators	<input checked="" type="checkbox"/>	Roll-off containers
<input checked="" type="checkbox"/>	Loader	<input type="checkbox"/>	Dump Truck/Triaxle
<input type="checkbox"/>	Track Dozer	<input type="checkbox"/>	Dump Trailers
<input checked="" type="checkbox"/>	Skid Steer Loader	<input checked="" type="checkbox"/>	Pickup Utility Trucks
<input checked="" type="checkbox"/>	Frac Tank	<input checked="" type="checkbox"/>	Sump Pump
<input checked="" type="checkbox"/>	Generator	<input type="checkbox"/>	Trench Box
<input type="checkbox"/>	Water Buffalo	<input type="checkbox"/>	NaOH Storage Tank
<input type="checkbox"/>	Sawzail	<input type="checkbox"/>	Other (list)

This work also requires the use of the permits or documents checked below	
<input checked="" type="checkbox"/>	PROJECT-SPECIFIC HASP
<input type="checkbox"/>	LOCK-OUT, TAG-OUT PERMIT
<input checked="" type="checkbox"/>	PRE-TASK PLANNING FORM
<input type="checkbox"/>	CONFINED SPACE ENTRY PERMIT
<input type="checkbox"/>	OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)			
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	See SES HASP
X		MSDS review / includes any 'new' chemicals	MSDS Sheets Provided in HASP
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	See SES HASP
X		Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic
	X	Language / Communication Difficulties	
X		Materials to be used	See Pre-Task Plan
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	See SES HASP
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate
Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)			
Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	To be developed on site with SES work crew
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	See SES HASP
X		Emergency Plans / Emergency Responder	See SES HASP
	X	Fall protection	
X		First Aid / Medical Treatment provisions	See SES HASP
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date ( 11/13 )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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	<input checked="" type="checkbox"/>	Scaffolds / decking	
<input checked="" type="checkbox"/>		Temporary electrical power	See SES HASP
	<input checked="" type="checkbox"/>	Temporary Utilities services	
<input checked="" type="checkbox"/>		Trench / Excavation Boxes	See SES HASP
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes									
		<input type="checkbox"/> PPE GRID	<input checked="" type="checkbox"/> MSDS	<input type="checkbox"/> BASF Knowledge	<input type="checkbox"/> Work Provider Knowledge	<input type="checkbox"/> Prior SWP			
YES	NO	ITEM			YES	NO	Item		
<input checked="" type="checkbox"/>		Hardhat (either) <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> Plastic				<input checked="" type="checkbox"/>	Rain Suit	<input type="checkbox"/> Jacket	<input type="checkbox"/> Pants
<input checked="" type="checkbox"/>		Safety Glasses, ANZI-rated, side shields				<input checked="" type="checkbox"/>	Chemical Suit	<input type="checkbox"/> Jacket	<input type="checkbox"/> Pants
	<input checked="" type="checkbox"/>	Goggles <input type="checkbox"/> Chemical <input type="checkbox"/> Dust				<input checked="" type="checkbox"/>	Personal Fall Protection Equipment		
	<input checked="" type="checkbox"/>	Faceshield			<input checked="" type="checkbox"/>		Gloves	<input checked="" type="checkbox"/> Chemical	<input type="checkbox"/> Work
<input checked="" type="checkbox"/>		Hearing Protection <input checked="" type="checkbox"/> Plugs <input type="checkbox"/> Muffs			<input checked="" type="checkbox"/>		Long sleeve shirt and steel toed boots with steel shank		
	<input checked="" type="checkbox"/>	Respirator <input type="checkbox"/> Half-mask <input type="checkbox"/> Full-face			<input checked="" type="checkbox"/>		Boots	<input type="checkbox"/> Rubber	<input checked="" type="checkbox"/> Other
	<input checked="" type="checkbox"/>	Dust Mask				<input checked="" type="checkbox"/>	Welding Protection		
	<input checked="" type="checkbox"/>	Fire Retardant Electrical Clothing				<input checked="" type="checkbox"/>	Retrieval System for Confined Spaces		
<input checked="" type="checkbox"/>		Eyewash Station			<input checked="" type="checkbox"/>		Mobile phone or radios		
<input checked="" type="checkbox"/>		Tyvek Suits			<input checked="" type="checkbox"/>		Insect repellent, sunscreen		
		Other PPE (list)			<input checked="" type="checkbox"/>		High-visibility, reflective vest		

Training Requirements		
Need	N/A	Area
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BASF Safety Orientation (if required)
<input checked="" type="checkbox"/>		MSDS Reviews
<input checked="" type="checkbox"/>		Review of precautions listed above per SES HASP
<input checked="" type="checkbox"/>		Review of required PPE
		Other training (specify) –



<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (11/13)</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE
<b>PRE-TASK PLAN (PTP)</b>	SES SUPERVISOR: <i>B RIA RJE</i>		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
<input type="checkbox"/>	Task 1 - Permitting
<input type="checkbox"/>	Task 2 - Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
<input checked="" type="checkbox"/>	Task 3 - Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
<input type="checkbox"/>	Task 4 - Transportation and Disposal of Contaminated Material
<input checked="" type="checkbox"/>	Task 5 - Backfilling and Grading/Geotextile and Vegetation Placement
<input type="checkbox"/>	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input checked="" type="checkbox"/>	3	Chemical Hazards	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B1 Chemical: JSA 10
<input checked="" type="checkbox"/>	3,4,5	Dust/Fumes/Particulates	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B2 Dust: JSAs 1,2,4,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Job Zone Control	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B3 Job Zone Control; All JSAs
<input type="checkbox"/>	3,4,5,6	Heat	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B4 Heat: All JSAs
<input type="checkbox"/>	3,4,5,6	Cold	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B5 Cold; All JSAs
<input checked="" type="checkbox"/>	1,3,4,5,6	Severe Weather	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B6 Severe Weather: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Walking/Working Surfaces	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Noise	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B8 Noise: All JSA's
<input type="checkbox"/>	5,6	Live Electrical Equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B14 Live Electrical Equip: JSA 5,6,9
<input type="checkbox"/>	4,5	Poor Lighting	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Overhead Hazards	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B15 Overhead Hazards: JSA 2,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B17 Traffic Management: All JSA
<input checked="" type="checkbox"/>	5,6	Heavy machinery/drill rigs	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B18 Heavy Machinery: JSA 4,5
<input checked="" type="checkbox"/>	5,6	Trenching/Excavation	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B19 Trenching/Excavation: JSA 4,5,6,8
<input checked="" type="checkbox"/>	1,3,4,5,6	Vehicle use	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B20 Vehicle Use: All JSA
<input checked="" type="checkbox"/>	2,3	Work near/on water	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	B21 Work Near/On Water: JSA 1
<input type="checkbox"/>	4,5	Elevated heights (<4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B22 Working from Heights (<4 feet)





**BASF**  
**180 Mill Street, Lot 1102**  
**Cranston, RI**

Date	Name	Company Name	Time In	Time out
11/13	B. Rofe	SES	06:30	15:00
11/13	John Gomes	SES	0700	1500
11/13	John Leighton	SES	0700	1:00
11/13	Charles McElroy	SES	0710	1500
11/13/18	Evan Harring	AEI	0710	1230
11/13/18	Aaron Ting	AEI	0700	1520
11/13/18	Robert Medaglia	AET	0700	1520

**DAILY PROJECT REPORT**

Project: BASF, Lot 1102  
180 Mill Street  
Cranston, RI

Submitted By: Aaron C. Ting

Signature: \_\_\_\_\_

Date: 11/14/2018

**AEI**  
Consultants

Weather: Cloudy

Daily

Precipitation: 0"


Temp: 37-23

(Hi - low)

PERSONNEL/EQUIPMENT	
Contractor	No.
	Superintendent
1	Foremen
	H&S/QA Officer
2	Operators
1	Laborers
	Other Trades (Surveyor)
SubContractor	No. Company/Firm
7	Total Personnel On Site

EQUIPMENT/MATERIALS RECEIVED:	
1 support truck, Bobcat 289D skid steer, CAT 320C and 320E excavators	
CAT 996H Loader, 20-cy dump trailer, 5 and 1 micron filters,	
carbon filtration system, Bobcat 50E with hammer attachment	
2-trash/recycling bins, 2-100 yd rail cars, 2-21,000 gallon frac tanks	
4,000 gallon baffle, 10,000 gallon, 8,000 gallon and 20,000 gallon frac tanks	

WORK COMPLETED:	
Redig (full day) of Type 2A/2B soils. About 2.8 cy of Type 2A soils and 1 cy of Type 2B removed and stockpiled temporarily on either Lot 1102 or Lot 2682. AEI collected post excavation soil samples for PCB analysis.	
Conducted hammering of concrete non-compliant with the PCB cleanup criteria (half day). AEI collected post concrete removal samples for PCB analysis.	
Conducted soil erosion and sediment control plan inspection. No issues noted.	
Continued treating groundwater; about 5,000 gallons treated through the carbon/micro-filtration system. Treated groundwater is stored in 20,000 gallon frac tank for future offsite transport offsite to Global in Taunton, MA.	
JP Noonan onsite to transport treated groundwater offsite to Global in Taunton, MA. About 18,000 gallons shipped offsite.	
Moved fractionation tanks to decontamination area for decon and demobilization. No decon conducted until safety information (i.e., JSAs, permits) has been provided by SES. Safety info forthcoming.	
Material sand and gravel onsite to deliver Common Borrow. About 21.7 cy (32.6 tons) delivered to the site.	
AEI setup perimeter dust monitors. No dust alerts observed.	

HEALTH & SAFETY:	
AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP.	
AEI Signature	
SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.	

ISSUES/CHANGES/RESOLUTIONS:	
N/A	

DISCUSSIONS/CLIENT DIRECTION:	
N/A	





## DAILY WORKSHEET

Date: 10-14-18

Project Number: 18-0315

### CLIENT / SITE INFORMATION

Name: BASF

Address: 180 MILL ST  
CRANSTON RI

Contact:

### PROJECTS NOTES

MOB TO SITE. LOAD OUT 2 LOAD THREAT WATER 196  
HPS TAILGATE. build TREAT SYSTEM OVER CARBON SYSTEM TREAT AREA. SR  
HAD PROBLEMS CLOSING TAILGATE AND FROZEN VALVES. RESAMPLE STAKE 383 2A 4.55 TOU  
AND C111 393 140. HAMMER CONCRETE FULSAMP. C111 436 DIS OUT SOME WATER ALONG MILL ST  
POUR MATERIAL IN C111 375

### LABOR

Name	Position	Travel	On-site	Off-Site	Travel
<u>B ROFE</u>	<u>FS</u>	<u>4:30</u>	<u>5:30</u>	<u>1:50</u>	<u>16:30</u>
<u>C MCCARTHY</u>	<u>FT</u>	<u>6:30</u>	<u>7:00</u>	<u>15:00</u>	<u>15:30</u>
<u>J LEIGHTON</u>	<u>DP</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>
<u>J GOMES</u>	<u>DP</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>1</u>

### MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
	PPE Level: A B C D
<u>1</u>	<u>CAT 320</u>
<u>1</u>	<u>CAT 966 LOADER</u>
<u>1</u>	<u>CAT SKID</u>
<u>1</u>	<u>ROLLER</u>
<u>1</u>	<u>CAT 320</u>
<u>1</u>	<u>Roll OFF TRUCK</u>
<u>2</u>	<u>Roll OFF CANS</u>
<u>4</u>	<u>3" SUMPS</u>
<u>1</u>	<u>2" GAS TANK</u>
<u>3</u>	<u>STEEL</u>
<u>1</u>	<u>TAILFIT</u>
<u>1</u>	<u>Roll POLY</u>
<u>1</u>	<u>Bobcat Box RENTAL</u>

### SUBCONTRACTORS

### WEATHER OBSERVATIONS

Project Manager's Signature: \_\_\_\_\_

Client's Signature: \_\_\_\_\_



Project: BASF Facility Cranston, RI Date ( <u>11/14</u> )	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> (Page __ of __)
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<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date ( 11/14 )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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Type of Equipment/Vehicles/Motorized Equipment	
<input checked="" type="checkbox"/> Field Service Trailer	<input checked="" type="checkbox"/> Roll-off Tractor Truck
<input checked="" type="checkbox"/> Excavators	<input checked="" type="checkbox"/> Roll-off containers
<input checked="" type="checkbox"/> Loader	<input type="checkbox"/> Dump Truck/Triaxle
<input type="checkbox"/> Track Dozer	<input type="checkbox"/> Dump Trailers
<input checked="" type="checkbox"/> Skid Steer Loader	<input checked="" type="checkbox"/> Pickup Utility Trucks
<input checked="" type="checkbox"/> Frac Tank	<input checked="" type="checkbox"/> Sump Pump
<input checked="" type="checkbox"/> Generator	<input type="checkbox"/> Trench Box
<input type="checkbox"/> Water Buffalo	<input type="checkbox"/> NaOH Storage Tank
<input type="checkbox"/> Sawzail	<input type="checkbox"/> Other (list)

<b>This work also requires the use of the permits or documents checked below</b>	
<input checked="" type="checkbox"/> PROJECT-SPECIFIC HASP	
<input type="checkbox"/> LOCK-OUT, TAG-OUT PERMIT	
<input checked="" type="checkbox"/> PRE-TASK PLANNING FORM	
<input type="checkbox"/> CONFINED SPACE ENTRY PERMIT	
<input type="checkbox"/> OTHERS (LIST)	

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)			
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	See SES HASP
X		MSDS review / includes any 'new' chemicals	MSDS Sheets Provided in HASP
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	See SES HASP
X		Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic
	X	Language / Communication Difficulties	
X		Materials to be used	See Pre-Task Plan
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	See SES HASP
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)			
Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	To be developed on site with SES work crew
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	See SES HASP
X		Emergency Plans / Emergency Responder	See SES HASP
	X	Fall protection	
X		First Aid / Medical Treatment provisions	See SES HASP
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (11/14)</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Scaffolds / decking	
<input checked="" type="checkbox"/>		Temporary electrical power	See SES HASP
	<input checked="" type="checkbox"/>	Temporary Utilities services	
<input checked="" type="checkbox"/>		Trench / Excavation Boxes	See SES HASP
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes									
		<input type="checkbox"/> PPE GRID	<input checked="" type="checkbox"/> MSDS	<input type="checkbox"/> BASF Knowledge	<input type="checkbox"/> Work Provider Knowledge	<input type="checkbox"/> Prior SWP			
YES	NO	ITEM			YES	NO	Item		
<input checked="" type="checkbox"/>		Hardhat (either) <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> Plastic				<input checked="" type="checkbox"/>	Rain Suit	<input type="checkbox"/> Jacket	<input type="checkbox"/> Pants
<input checked="" type="checkbox"/>		Safety Glasses, ANZI-rated, side shields				<input checked="" type="checkbox"/>	Chemical Suit	<input type="checkbox"/> Jacket	<input type="checkbox"/> Pants
	<input checked="" type="checkbox"/>	Goggles <input type="checkbox"/> Chemical <input type="checkbox"/> Dust				<input checked="" type="checkbox"/>	Personal Fall Protection Equipment		
	<input checked="" type="checkbox"/>	Faceshield			<input checked="" type="checkbox"/>		Gloves	<input checked="" type="checkbox"/> Chemical	<input type="checkbox"/> Work
<input checked="" type="checkbox"/>		Hearing Protection <input checked="" type="checkbox"/> Plugs <input type="checkbox"/> Muffs			<input checked="" type="checkbox"/>		Long sleeve shirt and steel toed boots with steel shank		
	<input checked="" type="checkbox"/>	Respirator <input type="checkbox"/> Half-mask <input type="checkbox"/> Full-face			<input checked="" type="checkbox"/>		Boots	<input type="checkbox"/> Rubber	<input checked="" type="checkbox"/> Other
	<input checked="" type="checkbox"/>	Dust Mask				<input checked="" type="checkbox"/>	Welding Protection		
	<input checked="" type="checkbox"/>	Fire Retardant Electrical Clothing				<input checked="" type="checkbox"/>	Retrieval System for Confined Spaces		
<input checked="" type="checkbox"/>		Eyewash Station			<input checked="" type="checkbox"/>		Mobile phone or radios		
<input checked="" type="checkbox"/>		Tyvek Suits			<input checked="" type="checkbox"/>		Insect repellent, sunscreen		
		Other PPE (list)			<input checked="" type="checkbox"/>		High-visibility, reflective vest		

Training Requirements		
Need	N/A	Area
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BASF Safety Orientation (if required)
<input checked="" type="checkbox"/>		MSDS Reviews
<input checked="" type="checkbox"/>		Review of precautions listed above per SES HASP
<input checked="" type="checkbox"/>		Review of required PPE
		Other training (specify) –



<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (11/14)</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE
<b>PRE-TASK PLAN (PTP)</b>	SES SUPERVISOR: <i>Brian Rofe</i>		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
<input type="checkbox"/>	Task 1 - Permitting
<input type="checkbox"/>	Task 2 - Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
<input checked="" type="checkbox"/>	Task 3 - Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
<input checked="" type="checkbox"/>	Task 4 - Transportation and Disposal of Contaminated Material
<input type="checkbox"/>	Task 5 - Backfilling and Grading/Geotextile and Vegetation Placement
<input type="checkbox"/>	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input checked="" type="checkbox"/>	3	Chemical Hazards	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B1 Chemical; JSA 10
<input checked="" type="checkbox"/>	3,4,5	Dust/Fumes/Particulates	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B2 Dust: JSAs 1,2,4,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Job Zone Control	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B3 Job Zone Control; All JSAs
<input type="checkbox"/>	3,4,5,6	Heat	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B4 Heat: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Cold	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B5 Cold; All JSAs
<input type="checkbox"/>	1,3,4,5,6	Severe Weather	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B6 Severe Weather: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Walking/Working Surfaces	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Noise	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B8 Noise: All JSA's
<input type="checkbox"/>	5,6	Live Electrical Equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B14 Live Electrical Equip: JSA 5,6,9
<input type="checkbox"/>	4,5	Poor Lighting	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Overhead Hazards	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B15 Overhead Hazards: JSA 2,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B17 Traffic Management: All JSA
<input checked="" type="checkbox"/>	5,6	Heavy machinery/drill rigs	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B18 Heavy Machinery: JSA 4,5
<input checked="" type="checkbox"/>	5,6	Trenching/Excavation	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B19 Trenching/Excavation: JSA 4,5,6,8
<input checked="" type="checkbox"/>	1,3,4,5,6	Vehicle use	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B20 Vehicle Use: All JSA
<input type="checkbox"/>	2,3	Work near/on water	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B21 Work Near/On Water: JSA 1
<input type="checkbox"/>	4,5	Elevated heights (<4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B22 Working from Heights (<4 feet)

<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date ( 11/19 )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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<input type="checkbox"/>	4,5	Elevated heights (>4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B23 Working from Heights (>4 feet)
<input type="checkbox"/>	5,6	Overhead/underground utilities	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B24 Overhead/Underground Utilities: JSA 1,3,4
<input checked="" type="checkbox"/>	4,5,6	Powered hand tools	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B25 Electrically Powered Equipment and Tools: JSA 9
<input type="checkbox"/>	4,5,6	Electrically powered equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B25 Electrically Powered Equipment and Tools: JSA 9
<input type="checkbox"/>	4,5,6	Cutting devices/tools	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B26 Cutting Devices/Tools; JSA 9
<input type="checkbox"/>	4,5	Drums, cylinders, containers	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 4
<input type="checkbox"/>	3,4,5,6	Material handling, ergonomics	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B29 Material Handling/Ergonomics: JSA 2,6,7,9
<input checked="" type="checkbox"/>	3,5,6	Poisonous/irritating plants	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Plants and Animals: All JSAs
<input checked="" type="checkbox"/>	4,5,6	Insects/rodents/snakes	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Plants and Animals; All JSAs
<input checked="" type="checkbox"/>	3,5,6	Ticks, mosquitos	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Poisonous Plants, Animals, and Insects; All JSA
<input checked="" type="checkbox"/>	1,3,4,5,6	Employees working early/late	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B34 Personal Safety; All JSAs
] Note: A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.				

**Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:**

*Reminded personnel of proper PPE and awareness during hammering operations*





## SESC Plan Inspection Report

Project Information			
Name	Former Ciba-Geigy Facility		
Location	180 Mill Street, Cranston, RI (Lot 1102)		
DEM Permit No.	18-0048/RIR101724		
Site Owner	Name Joseph Guarnaccia	Phone 973-245-5269	Email Joseph.guarnaccia@basf.com
Site Operator	Name <del>Tom Dykstra</del> Brian Roe	Phone	Email <del>tdykstra</del> @strategic-es.com brie
Inspection Information			
Inspector Name	Name Aaron C. Ting	Phone 978-577-7138	Email ating@aeiconsultants.com
Inspection Date	11/14/18	Start/End Time	0830 - 0900
Inspection Type	<input type="checkbox"/> Weekly <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input checked="" type="checkbox"/> Post-storm event <input type="checkbox"/> Other		
Weather Information			
Last Rain Event	Date: 11/12-11/13/18 Duration (hrs): 8 Approximate Rainfall (in): 1.91		
Rain Gauge Location & Source: On-site weather station (Davis Vantage Pro)			
Weather at time of this inspection: Cloudy, 30°F			

Check statement that applies then sign and date below:

☒ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have determined that maintenance and corrective actions are not required at this time.

☐ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have made the determination that the site requires corrective actions. The required corrective actions are noted within this inspection report.

Inspector:	Print Name Aaron C. Ting	Signature 	Date 11/14/18
The Site Operator acknowledges by his/her signature, the receipt of this SESC Plan inspection report and its findings. He/she acknowledges that all recommended corrective actions must be completed and documentation of all such corrective actions must be made in this inspection report per applicable regulations.			
Operator:	Print Name Brian Roe	Signature 	Date 11/14/18

**Site-specific Control Measures**

Number the structural and non-structural stormwater control measures identified in the SESC Plan and on the SESC Site Plans and list them below (add as necessary). Bring a copy of this inspection form and any applicable SESC Site Plans with you during your inspections. This list will assist you to inspect all control measures at your site.

FILL THIS TABLE USING THE SESC PLAN TABLES 2.11 & 3.12.

	Location/Station	Control Measure Description	Installed & Operating Properly?	Assoc. Photo/ Figure #	Corrective Action Needed (Yes or No; if 'Yes', please detail action required)
1	Construction Site Exit including decontamination pad	RIDOT Standard Specifications  RI Soil Erosion and Sediment Control Book	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	see photo 105	
2	Project-wide including material stockpiles	Perimeter – compost filter socks (RIDOT 9.2.0); Stockpiles – haybales (RIDOT standard specification 206, 212)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
3	Project wide including material stockpiles	RI SESC Handbook  Water for dust control/cover stockpiles  RIDOT Standard Specification/RISEC Handbook	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
4	Adjacent Roads	Roads adjacent to construction site shall be clean at the end of each workday	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
5	Project-wide	Pickup construction trash/debris	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
6	Project-wide	Spill prevention/spill containment measures	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	✓	
7			<input type="checkbox"/> Yes <input type="checkbox"/> No		
8			<input type="checkbox"/> Yes <input type="checkbox"/> No		



## General Site Issues

Below are some general site issues that should be assessed during inspections. Please **customize** this list as needed for conditions at the site.

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
1	Have all control measures been installed as specified in the RISESC Handbook and prior to any earth disturbing activities?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	see photo log	
2	Are appropriate limits of disturbance (LOD) established?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	↓	
3	Are controls that limit runoff from exposed soils by diverting, retaining, or detaining flows (such as check dams, sediment basins, etc.) in place?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
4	Are all temporary conveyance practices installed correctly and functioning as designed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
5	Has maintenance been performed as required to ensure continued proper function of all temporary conveyances practices?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
6	Were all exposed soils seeded by October 15 <sup>th</sup> ?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
7	Have soils been stabilized where earth disturbance activities have permanently or temporarily ceased on any portion of the site and will not resume for more than 14 days?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
8	In instances where adequate vegetative stabilization was not established by November 15 <sup>th</sup> , have non-vegetative erosion control measures must be employed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
9	If work is to continue from October 15 <sup>th</sup> through April 15 <sup>th</sup> , are steps taken to ensure that only the day's work area will be exposed and all erodible soil is stabilized within 5 working days?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
10	Have inlet protection measures (such as fabric drop inlet protection, curb drop inlet protection, etc.) been properly installed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
11	Has the operator cleaned and maintained inlet protection measures when needed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
12	Has the operator removed accumulated sediment adjacent to inlet protection measures within 24 hours of detection?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
13	Has the operator properly installed outlet protection (such as riprap, turf mats, etc.) at all temporary and permanent discharge points?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
14	Are all outlet protection measures functioning properly in order to reduce discharge velocity, promote infiltration, and eliminate scour?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
15	Have all discharge points been inspected to ensure the prevention of scouring and channel erosion?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
16	Have sediment controls been installed along perimeter areas that will receive stormwater from earth disturbing activities?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	see photo	
17	Is the operator maintaining sediment controls in accordance with the requirements in the RI/ SESC Handbook?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	log ↓	
18	Have temporary sediment barriers been installed around permanent infiltration areas (such as bioretention areas, infiltration basins, etc.)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
19	Have staging areas and equipment routing been implemented to avoid compaction where permanent infiltration areas will be located?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
20	Are surface outlet structures (such as skimmers, siphons, etc.) installed for each temporary sediment basin? [Exception: frozen conditions]	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
21	Have all temporary sediment basins or traps been inspected and maintained as required to ensure proper function?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
22	Does the project include the use of polymers, flocculants, or other chemicals to control erosion, sedimentation, or runoff from the site?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
23	Are all chemicals being managed in accordance with Appendix J of the RISESC Handbook and current best management practices?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
24	Has the site operator taken steps to <b>prohibit</b> the following pollutant discharges on the site?			
a	Contaminated groundwater.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	see photo log	



	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
b	Wastewater from washout of concrete; unless properly contained, managed, and disposed of.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
c	Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction products.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
d	Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	see photo 107	
e	Soaps or solvents used in vehicle and equipment washing.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
f	Toxic or hazardous substances from a spill or other release.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
25	Is the operator using properly constructed entrances/exits to the site so sediment removal occurs prior to vehicles exiting?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	✓	
26	If needed, are additional controls (such as rumble strips, rattle plates, etc.) in place to remove sediment from tires prior to exiting?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
27	Is sediment track-out being removed by the end of the same workday in which it occurs (via sweeping, shoveling, or vacuuming)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	see photo 105	
28	Are all wastes generated at the site being managed and properly disposed of by the end of each workday?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
29	Are all chemicals and hazardous waste materials stored properly in covered areas and surrounded by containment control systems?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
30	Has the operator established highly visible locations for the storage of spill prevention and control equipment on the construction site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
31	Are allowable non-stormwater discharges being managed properly with adequate controls?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
32	Is the site operator properly managing groundwater or stormwater that is removed from excavations, trenches, or similar points of accumulation?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
33	Are proper procedures and controls in place for the storage of materials that may discharge pollutants if	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	✓	

Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
exposed to stormwater?			
Are stockpiles located within the limits of disturbance?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	See photo 1C5	
Are stockpiles being protected from contact with stormwater using a temporary sediment barrier?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	↓	
Where needed, has cover or appropriate temporary vegetative or structural stabilization been utilized for stockpiles?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Is the operator effectively managing the generation of dust through the use of water, chemicals, or minimization of exposed soil?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	See photo 1C5	
Are designated washout areas (such as wheel washing stations, washout for concrete, paint, stucco, etc.) clearly marked on the site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	↓	
Are vehicle fueling and maintenance areas properly located to prevent pollutants from impacting stormwater and sensitive receptors?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	↓	
(Other)			



<sup>c</sup>PROJECT: Cranston, RI

INSPECTION DATE: 11/14/18

General Field Comments:

N/A

## Photos:



Photo #: 1	Station: North Site Description: Decontamination pad located on Lot 2682 and temporary stockpiles covered by poly.
	
Photo #: 2	Station: North Site Description: Temporary soil stockpile area on Lot 1102. High winds during the evening. Stockpile covering on all stockpiles was re-established and re-secured throughout site.
	



Photo #: 3



Station: North Site

Description: Construction access road leading to Mill St from Lot 1102. Adjacent roadway kept clean from any soil track-out from exiting vehicles/equipment.

Photo #: 4




Station: Northeast Site

Description: CFS staked on northeastern property boundary.

Photo #: 5	Station: South Site Description: Staked silt fence on south east side of Site in floodway.
	
Photo #: 6	Station: Southeast Site Description: CFS located on southeast side of Site.
	



Photo #: 7	Station: South Site
	Description: Fractionation tank used to manage treated groundwater. Groundwater treated using onsite carbon/micro-filtration system. Tanker on-site to transport treated water to off-site disposal facility.

**BASF**  
**180 Mill Street, Lot 1102**  
**Cranston, RI**

Date	Name	Company Name	Time In	Time out
11/14	B. ROSE	SRS	05:30	15:30
11/14	J. LEIGHTON	SES	7:00	15:30
11/14	J. Gomes	SES	0700	15:30
11/14	C. McCarthy IV	SES	0700	1530
11/14	Aaron Ting	AEI	0700	1130
11/14	Joseph Dreban	AEI	0700	1530
11/14/18	Evan Harring	AEI	0710	1420



# DAILY PROJECT REPORT



Project: BASF, Lot 1102  
180 Mill Street  
Cranston, RI

Submitted By: Aaron C. Ting  
Signature:   
Date: 11/15/2018

Weather: Cloudy

Daily  
Precipitation: 0" Temp: 35-32  
(Hi - low)

PERSONNEL/EQUIPMENT		EQUIPMENT/MATERIALS RECEIVED:	
Contractor	No.	Owner/Representative:	N/A
	Superintendent		
1	Foremen	SES	
	H&S/QA Officer		
2	Operators	SES	
1	Laborers	SES	
	Other Trades (Surveyor)		
SubContractor	No. Company/Firm	AEI Personnel:	Aaron Ting 1
1	New England Geotech	Joseph Drebaum	1
1	Diprete	Evan Harring	1
		Rick Kowalski	1
		Rob Palermo	1
		Visitors On Site:	N/A
11	Total Personnel On Site		
<b>MAJOR EQUIPMENT:</b>			
1 support truck, Bobcat 289D skid steer, CAT 320C and 320E excavators			
CAT 996H Loader, 20-cy dump trailer, 5 and 1 micron filters,			
carbon filtration system, Bobcat 50E with hammer attachment			
2-trash/recycling bins, 2-100 yd rail cars, 2-21,000 gallon frac tanks			
4,000 gallon baffle, 10,000 gallon, 8,000 gallon and 20,000 gallon frac tanks			
<b>WORK COMPLETED:</b>			
Moved fractionation tanks to decontamination area for further processing. Continued backfill of floodway test pit area using imported Common Borrow. The area is to receive about 164 cy of material.			
SES retrieved sand from Material Sand and Gravel for analytical testing. The sand is to be used by SES for a bedding/cover of the electrical/communications conduit, emplaced by an electrician. Electrician schedule is at least 2-weeks out.			
Continued hammering concrete (half day) where concrete non-compliant with PCB cleanup criteria. AEI collected post concrete removal samples for PCB analysis.			
Removed concrete and soils from wedge cut along Lot 2630 property boundary. Soils/concrete utilized as onsite backfill. <i>~15cy removed and backfilled. Act 11/15/18 CL</i>			
Cleared and secured site in preparation for snowfall this evening into tomorrow morning.			
Material Sand and Gravel delivering Common Borrow to site. About 279.7 cy (419.6 tons) of material imported to be used as onsite backfill material.			
Rob Palermo onsite to conduct health and safety audit.			
New England Geotech onsite to close four wells: P-30D, VE-8, RC-1 and UNK-1.			
Diprete onsite to conduct surveying and continue stakeout of impermeable liner area.			
AEI setup perimeter dust monitors. No dust alerts observed.			
<b>HEALTH &amp; SAFETY:</b>			
AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP.			
AEI Signature:			
SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.			
<b>ISSUES/CHANGES/RESOLUTIONS:</b>			
N/A			
<b>DISCUSSIONS/CLIENT DIRECTION:</b>			
N/A			

*Two railcars PW-20006 and PW-20003 offsite. Two new railcars delivered PW-30016 and PW-20008 Act 11/15/18 CL*



## DAILY WORKSHEET

Date: 11-15-18

Project Number: 18-0315

### CLIENT / SITE INFORMATION

Name: BASF

Address: 180 Mill St  
Cranston RI

Contact:

### PROJECTS NOTES

MOB TO SITE TAILGATE TALK. MING ADIER TANK. SET UP PUMP WATER FILL IN BI TEST PIT AREA WITH IMPORTED MATERIAL. PICK UP SOIL SAMPLES DIG OUT WEDGE AREA CUT + HAMMER DOWN 2' AND PUMP SOIL INTO CRIL #375. HAMMER IN CRIL #455 FOR SAMPLES. CLEAN UP AREA + WEDGE W/ HIRE ADIER TANKS W/ HIRE. CLEAN + SECURE SITE FOR 1-3" SNOW OVER NIGHT. IN PORT 13 LOADS AT COMMON DORM

### LABOR

### MATERIALS / EQUIPMENT / TOOLS

Name	Position	Travel	On-site	Off-Site	Travel
B ROE	FS	5:30	6:30		
C MCCARTHY	FT	6:30	7:00		
J LEIGHTON	OP	6:30	7:00		
J GOMES	OP	6:30	7:00		

Quantity	Item / Description
	PPE Level: A B C D
1	CAT 320
1	CAT 966 LOADER (HILLTOP)
1	CAT SKID
1	ROLLER
1	CAT 320 - SPS
1	ROLLER - SPS
1	hook off EX WITH Hammer

### SUBCONTRACTORS

4	2" SWB
1	TRASS PUMP
3	GIBN

### WEATHER OBSERVATIONS

Project Manager's Signature:

Client's Signature:







<b>Project:</b> <b>BASF Facility</b> <b>Wanston, RI</b> <b>Date (11/15)</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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<b>Project:</b> <b>BASF Facility</b> <b>Wanston, RI</b> <b>Date</b> <i>11/15</i>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> (Page __ of __)
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Type of Equipment/Vehicles/Motorized Equipment	
<input checked="" type="checkbox"/> Field Service Trailer	<input checked="" type="checkbox"/> Roll-off Tractor Truck
<input checked="" type="checkbox"/> Excavators	<input checked="" type="checkbox"/> Roll-off containers
<input checked="" type="checkbox"/> Loader	<input type="checkbox"/> Dump Truck/Triaxle
<input type="checkbox"/> Track Dozer	<input type="checkbox"/> Dump Trailers
<input checked="" type="checkbox"/> Skid Steer Loader	<input checked="" type="checkbox"/> Pickup Utility Trucks
<input type="checkbox"/> Frac Tank	<input checked="" type="checkbox"/> Sump Pump
<input checked="" type="checkbox"/> Generator	<input type="checkbox"/> Trench Box
<input type="checkbox"/> Water Buffalo	<input type="checkbox"/> NaOH Storage Tank
<input type="checkbox"/> Sawzall	<input type="checkbox"/> Other (list)

This work also requires the use of the permits or documents checked below	
<input checked="" type="checkbox"/> PROJECT-SPECIFIC HASP	
<input type="checkbox"/> LOCK-OUT, TAG-OUT PERMIT	
<input checked="" type="checkbox"/> PRE-TASK PLANNING FORM	
<input type="checkbox"/> CONFINED SPACE ENTRY PERMIT	
<input type="checkbox"/> OTHERS (LIST)	

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)			
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
<input checked="" type="checkbox"/>		Pre-work Inspection of the work site	<b>See SES HASP</b>
<input checked="" type="checkbox"/>		MSDS review / includes any 'new' chemicals	<b>MSDS Sheets Provided in HASP</b>
	<input checked="" type="checkbox"/>	Crane Operations	
	<input checked="" type="checkbox"/>	Elevated Work	
<input checked="" type="checkbox"/>		Environmental Conditions	<b>See SES HASP</b>
<input checked="" type="checkbox"/>		Heavy Powered Mobile Equipment Use	<b>Excavators to load soil into trucks, truck traffic</b>
	<input checked="" type="checkbox"/>	Language / Communication Difficulties	
<input checked="" type="checkbox"/>		Materials to be used	<b>See Pre-Task Plan</b>
	<input checked="" type="checkbox"/>	Overhead Work / Rigging	
	<input checked="" type="checkbox"/>	Special Equipment to be used	
<input checked="" type="checkbox"/>		Trenching / Excavation	<b>See SES HASP</b>
	<input checked="" type="checkbox"/>	Utilities System tie-in / restrictions	
<input checked="" type="checkbox"/>		Other Risks or Hazards	<b>PCB/VOC-contaminated soils; Sodium Persulfate</b>

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)			
Need	N/A	Area	Specific measures that are required
<input checked="" type="checkbox"/>		Access & Egress Plans (People & Equipment)	<b>To be developed on site with SES work crew</b>
	<input checked="" type="checkbox"/>	Barricades needed	
	<input checked="" type="checkbox"/>	BASF equipment / materials to be used	
	<input checked="" type="checkbox"/>	Electrical safety equipment required	
	<input checked="" type="checkbox"/>	Elevator use	
<input checked="" type="checkbox"/>		Emergency Equipment	<b>See SES HASP</b>
<input checked="" type="checkbox"/>		Emergency Plans / Emergency Responder	<b>See SES HASP</b>
	<input checked="" type="checkbox"/>	Fall protection	
<input checked="" type="checkbox"/>		First Aid / Medical Treatment provisions	<b>See SES HASP</b>
	<input checked="" type="checkbox"/>	HOT WORK Procedure requirements	
	<input checked="" type="checkbox"/>	HVAC System requirements	
	<input checked="" type="checkbox"/>	LINE-BREAKING procedure requirements	

<b>Project:</b> <b>BASF Facility</b> <b> Cranston, RI</b> <b>Date (1/1/15)</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Scaffolds / decking	
<input checked="" type="checkbox"/>		Temporary electrical power	See SES HASP
	<input checked="" type="checkbox"/>	Temporary Utilities services	
<input checked="" type="checkbox"/>		Trench / Excavation Boxes	See SES HASP
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes									
<input type="checkbox"/> PPE GRID		<input checked="" type="checkbox"/> MSDS		<input type="checkbox"/> BASF Knowledge		<input type="checkbox"/> Work Provider Knowledge		<input type="checkbox"/> Prior SWP	
YES	NO	ITEM		YES	NO	Item			
<input checked="" type="checkbox"/>		Hardhat (either) <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> Plastic			<input checked="" type="checkbox"/>	Rain Suit	<input type="checkbox"/> Jacket	<input type="checkbox"/> Pants	
<input checked="" type="checkbox"/>		Safety Glasses, ANZI-rated, side shields			<input checked="" type="checkbox"/>	Chemical Suit	<input type="checkbox"/> Jacket	<input type="checkbox"/> Pants	
	<input checked="" type="checkbox"/>	Goggles <input type="checkbox"/> Chemical <input type="checkbox"/> Dust			<input checked="" type="checkbox"/>	Personal Fall Protection Equipment			
	<input checked="" type="checkbox"/>	Faceshield		<input checked="" type="checkbox"/>		Gloves	<input checked="" type="checkbox"/> Chemical	<input type="checkbox"/> Work	
<input checked="" type="checkbox"/>		Hearing Protection <input checked="" type="checkbox"/> Plugs <input type="checkbox"/> Muffs		<input checked="" type="checkbox"/>		Long sleeve shirt and steel toed boots with steel shank			
	<input checked="" type="checkbox"/>	Respirator <input type="checkbox"/> Half-mask <input type="checkbox"/> Full-face		<input checked="" type="checkbox"/>		Boots	<input type="checkbox"/> Rubber	<input checked="" type="checkbox"/> Other	
	<input checked="" type="checkbox"/>	Dust Mask			<input checked="" type="checkbox"/>	Welding Protection			
	<input checked="" type="checkbox"/>	Fire Retardant Electrical Clothing			<input checked="" type="checkbox"/>	Retrieval System for Confined Spaces			
<input checked="" type="checkbox"/>		Eyewash Station		<input checked="" type="checkbox"/>		Mobile phone or radios			
<input checked="" type="checkbox"/>		Tyvek Suits		<input checked="" type="checkbox"/>		Insect repellent, sunscreen			
		Other PPE (list)		<input checked="" type="checkbox"/>		High-visibility, reflective vest			

Training Requirements		
Need	N/A	Area
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BASF Safety Orientation (if required)
<input checked="" type="checkbox"/>		MSDS Reviews
<input checked="" type="checkbox"/>		Review of precautions listed above per SES HASP
<input checked="" type="checkbox"/>		Review of required PPE
		Other training (specify) –



<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (      )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE
<b>PRE-TASK PLAN (PTP)</b>	SES SUPERVISOR: <i>Brian Rife</i>		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
<input type="checkbox"/>	Task 1 - Permitting
<input type="checkbox"/>	Task 2 - Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
<input checked="" type="checkbox"/>	Task 3 - Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
<input checked="" type="checkbox"/>	Task 4 - Transportation and Disposal of Contaminated Material
<input checked="" type="checkbox"/>	Task 5 - Backfilling and Grading/Geotextile and Vegetation Placement
<input type="checkbox"/>	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input checked="" type="checkbox"/>	3	Chemical Hazards	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 10
<input checked="" type="checkbox"/>	3,4,5	Dust/Fumes/Particulates	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B2 Dust: JSAs 1,2,4,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Job Zone Control	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B3 Job Zone Control; All JSAs
<input type="checkbox"/>	3,4,5,6	Heat	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B4 Heat: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Cold	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B5 Cold; All JSAs
<input checked="" type="checkbox"/>	1,3,4,5,6	Severe Weather	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B6 Severe Weather: All JSAs
<input type="checkbox"/>	3,4,5,6	Walking/Working Surfaces	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Noise	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B8 Noise: All JSA's
<input type="checkbox"/>	5,6	Live Electrical Equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B14 Live Electrical Equip: JSA 5,6,9
<input type="checkbox"/>	4,5	Poor Lighting	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Overhead Hazards	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B15 Overhead Hazards: JSA 2,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B17 Traffic Management: All JSA
<input checked="" type="checkbox"/>	5,6	Heavy machinery/drill rigs	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B18 Heavy Machinery: JSA 4,5
<input checked="" type="checkbox"/>	5,6	Trenching/Excavation	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B19 Trenching/Excavation: JSA 4,5,6,8
<input checked="" type="checkbox"/>	1,3,4,5,6	Vehicle use	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B20 Vehicle Use: All JSA
<input type="checkbox"/>	2,3	Work near/on water	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B21 Work Near/On Water: JSA 1
<input type="checkbox"/>	4,5	Elevated heights (<4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B22 Working from Heights (<4 feet)

<input type="checkbox"/>	4,5	Elevated heights (>4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B23 Working from Heights (>4 feet)
<input type="checkbox"/>	5,6	Overhead/underground utilities	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B24 Overhead/Underground Utilities: JSA 1,3,4
<input type="checkbox"/>	4,5,6	Powered hand tools	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B25 Electrically Powered Equipment and Tools: JSA 9
<input type="checkbox"/>	4,5,6	Electrically powered equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B25 Electrically Powered Equipment and Tools: JSA 9
<input type="checkbox"/>	4,5,6	Cutting devices/tools	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B26 Cutting Devices/Tools; JSA 9
<input type="checkbox"/>	4,5	Drums, cylinders, containers	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 4
<input checked="" type="checkbox"/>	3,4,5,6	Material handling, ergonomics	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B29 Material Handling/Ergonomics: JSA 2,6,7,9
<input checked="" type="checkbox"/>	3,5,6	Poisonous/irritating plants	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Plants and Animals: All JSAs
<input checked="" type="checkbox"/>	4,5,6	Insects/rodents/snakes	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Plants and Animals; All JSAs
<input checked="" type="checkbox"/>	3,5,6	Ticks, mosquitos	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Poisonous Plants, Animals, and Insects; All JSA
<input checked="" type="checkbox"/>	1,3,4,5,6	Employees working early/late	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B34 Personal Safety; All JSAs
<input type="checkbox"/>	Note: A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.



**BASF**  
**180 Mill Street, Lot 1102**  
**Cranston, RI**

Date	Name	Company Name	Time In	Time out
11/15/18	B. Ratz	SES	06:30	15:30
11/15/18	J. LEIGHTON	SES	07:00	15:30
11/15/18	J. Gomes	SES	0700	12:00
11/15/18	C. McCarthy	SES	0700 →	11:04 + 13:30 - 15:15
11/15/18	Aaron Ting	AEI	0700	1230
11/15/18	Earle Tammelleo	Diprite	07:00	09:00
11/15/18	Evan Harrington	AEI	0710	<del>08:00</del> 1700
11/15/18	Don Regan	NEG	0830	0935
11/15/18	Joseph Debrum	AEI	0710	15:15
11/15/18	Rob Polanco	AEI	1000	12:50
11/15/18	Rick Kowalski	AEI	10:15	12:50



**DAILY PROJECT REPORT**

Project: BASF, Lot 1102  
180 Mill Street  
Cranston, RI

Submitted By: Aaron C. Ting

Signature: 

Date: 11/16/2018

**AEI**  
Consultants

Weather: Rain

Daily

Precipitation: 0.35"

Temp: 43-31

(Hi - low)

**PERSONNEL/EQUIPMENT**

Contractor	No.	
	2	Superintendent
		SES
		Foremen
		H&S/QA Officer
	2	Operators
		SES
	1	Laborers
		SES
		Other Trades (Surveyor)

SubContractor	No.	Company/Firm
	9	Total Personnel On Site

Owner/Representative: N/A

AEI Personnel: Aaron Ting	1
Josh Klement	1
Evan Harring	1
Rick Kowalski	1

Visitors On Site: N/A

**MAJOR EQUIPMENT:****EQUIPMENT/MATERIALS RECEIVED:**

1 support truck, Bobcat 289D skid steer, CAT 320C and 320E excavators  
CAT 996H Loader, 20-cy dump trailer, 5 and 1 micron filters,  
carbon filtration system, Bobcat 50E with hammer attachment  
2-trash/recycling bins, 2-100 yd rail cars, 2-21,000 gallon frac tanks  
4,000 gallon baffle, 10,000 gallon, 8,000 gallon and 20,000 gallon frac tanks

**WORK COMPLETED:**

Removed snow using skid steer on both Lots 2682 and Lot 1102 paved areas.

Excavated stake location: 400-403; Type 2A soil; 1' depth. About 1.5 cy removed. Soils were stockpiled on Lot 1102 for future offsite disposal to RIRRC. AEI collected post excavation soil samples for PCBs (Dexsil).

JP Noonan onsite to transport treated GW offsite. About 9,000 gallons transported to the Global facility in Taunton, MA.

Continued cutting wedge along the Mill Street and floodway boundary. Wedge soils were utilized onsite as backfill. About 60-70 cy of soil were removed and utilized as onsite backfill. Concrete encountered in the wedge cut were hammered and removed (half day). The concrete was processed to be utilized as onsite backfill.

Reset Mill Street property boundary fence around large tree in preparation for tree cutting next week.

AEI/SES conducted weekly project progress meeting. Meeting minutes to be distributed next week by AEI.

AEI setup perimeter dust monitors. No dust alerts observed.

**HEALTH & SAFETY:**

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature 

SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

**ISSUES/CHANGES/RESOLUTIONS:**

AEI submitted change request to SES related to emplacement of sand bedding during installation of electrical/communication lines by BASF electrician. Time and materials forthcoming. Work is tentatively scheduled for week of 11/26 and is not expected to impact overall project schedule.

**DISCUSSIONS/CLIENT DIRECTION:**

N/A





# DAILY WORKSHEET

Date: 11/16/2018

Project Number: 18-0315

## CLIENT / SITE INFORMATION

Name: BASF

Address: 180 Mill St.  
 Cranston, RI

Contact:

## PROJECTS NOTES

Mob to site, clear main lot of snow. Load out 915 water. Clear lot on rail side for visitors. H&S tailgate. North East wedge Hammered & Finished. 2A #400-403 excavated & BackFilled with wedge, 1.5 yards. West wedge "mill st" completed up to rolls of liner. BackFilled #351 & 340 with wedge. Prepared fence & tree for tree service. Purged all carbon vessels of water.

## LABOR

## MATERIALS / EQUIPMENT / TOOLS

Name	Position	Travel	On-site	Off-Site	Travel
C. McCarthy IV	Super	600	630	1500	1530
J. Leighton	oper.	600	630	1500	1530
J. Gomes	oper.	630	700	1500	1530

Quantity	Item / Description
	PPE Level: A B C D
1	cat 320
1	cat 966 loader
1	cat 515id
1	Roller
1	cat 320
1	Roll off truck
2	Roll off cans
4	2" Surps
1	2" trash pump
3	Generators
1	Port John & Sink
1	roll of poly

## SUBCONTRACTORS

## WEATHER OBSERVATIONS

Project Manager's Signature: \_\_\_\_\_

Client's Signature: \_\_\_\_\_







<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (        )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (      )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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Type of Equipment/Vehicles/Motorized Equipment	
<input checked="" type="checkbox"/> Field Service Trailer	<input checked="" type="checkbox"/> Roll-off Tractor Truck
<input checked="" type="checkbox"/> Excavators	<input checked="" type="checkbox"/> Roll-off containers
<input checked="" type="checkbox"/> Loader	<input type="checkbox"/> Dump Truck/Triaxle
<input type="checkbox"/> Track Dozer	<input type="checkbox"/> Dump Trailers
<input checked="" type="checkbox"/> Skid Steer Loader	<input checked="" type="checkbox"/> Pickup Utility Trucks
<input checked="" type="checkbox"/> Frac Tank	<input checked="" type="checkbox"/> Sump Pump
<input checked="" type="checkbox"/> Generator	<input type="checkbox"/> Trench Box
<input type="checkbox"/> Water Buffalo	<input type="checkbox"/> NaOH Storage Tank
<input type="checkbox"/> Sawzail	<input type="checkbox"/> Other (list)

This work also requires the use of the permits or documents checked below	
<input checked="" type="checkbox"/> PROJECT-SPECIFIC HASP	
<input type="checkbox"/> LOCK-OUT, TAG-OUT PERMIT	
<input checked="" type="checkbox"/> PRE-TASK PLANNING FORM	
<input type="checkbox"/> CONFINED SPACE ENTRY PERMIT	
<input type="checkbox"/> OTHERS (LIST)	

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)			
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	See SES HASP
X		MSDS review / includes any 'new' chemicals	MSDS Sheets Provided in HASP
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	See SES HASP
X		Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic
	X	Language / Communication Difficulties	
X		Materials to be used	See Pre-Task Plan
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	See SES HASP
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)			
Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	To be developed on site with SES work crew
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	See SES HASP
X		Emergency Plans / Emergency Responder	See SES HASP
	X	Fall protection	
X		First Aid / Medical Treatment provisions	See SES HASP
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (      )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Scaffolds / decking	
<input checked="" type="checkbox"/>		Temporary electrical power	See SES HASP
	<input checked="" type="checkbox"/>	Temporary Utilities services	
<input checked="" type="checkbox"/>		Trench / Excavation Boxes	See SES HASP
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes									
<input type="checkbox"/> PPE GRID		<input checked="" type="checkbox"/> MSDS	<input type="checkbox"/> BASF Knowledge	<input type="checkbox"/> Work Provider Knowledge	<input type="checkbox"/> Prior SWP				
YES	NO	ITEM			YES	NO	Item		
<input checked="" type="checkbox"/>		Hardhat (either) <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> Plastic				<input checked="" type="checkbox"/>	Rain Suit	<input type="checkbox"/> Jacket	<input type="checkbox"/> Pants
<input checked="" type="checkbox"/>		Safety Glasses, ANZI-rated, side shields				<input checked="" type="checkbox"/>	Chemical Suit	<input type="checkbox"/> Jacket	<input type="checkbox"/> Pants
	<input checked="" type="checkbox"/>	Goggles <input type="checkbox"/> Chemical <input type="checkbox"/> Dust				<input checked="" type="checkbox"/>	Personal Fall Protection Equipment		
	<input checked="" type="checkbox"/>	Faceshield			<input checked="" type="checkbox"/>		Gloves	<input checked="" type="checkbox"/> Chemical	<input type="checkbox"/> Work
<input checked="" type="checkbox"/>		Hearing Protection <input checked="" type="checkbox"/> Plugs <input type="checkbox"/> Muffs			<input checked="" type="checkbox"/>		Long sleeve shirt and steel toed boots with steel shank		
	<input checked="" type="checkbox"/>	Respirator <input type="checkbox"/> Half-mask <input type="checkbox"/> Full-face			<input checked="" type="checkbox"/>		Boots	<input type="checkbox"/> Rubber	<input checked="" type="checkbox"/> Other
	<input checked="" type="checkbox"/>	Dust Mask				<input checked="" type="checkbox"/>	Welding Protection		
	<input checked="" type="checkbox"/>	Fire Retardant Electrical Clothing				<input checked="" type="checkbox"/>	Retrieval System for Confined Spaces		
<input checked="" type="checkbox"/>		Eyewash Station			<input checked="" type="checkbox"/>		Mobile phone or radios		
<input checked="" type="checkbox"/>		Tyvek Suits			<input checked="" type="checkbox"/>		Insect repellent, sunscreen		
		Other PPE (list)			<input checked="" type="checkbox"/>		High-visibility, reflective vest		

Training Requirements		
Need	N/A	Area
<input checked="" type="checkbox"/>	<u>N/A</u>	BASF Safety Orientation (if required)
<input checked="" type="checkbox"/>		MSDS Reviews
<input checked="" type="checkbox"/>		Review of precautions listed above per SES HASP
<input checked="" type="checkbox"/>		Review of required PPE
		Other training (specify) –



<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (      )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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STRATEGIC ENVIRONMENTAL SERVICES	PROJECT / JOB / TASK (Description): BASF Cranston/CMI Implementation	LOCATION: 180 Mill Street, Cranston, RI	DATE
<b>PRE-TASK PLAN (PTP)</b>	SES SUPERVISOR:		

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
<input type="checkbox"/>	Task 1 - Permitting
<input checked="" type="checkbox"/>	Task 2 – Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
<input checked="" type="checkbox"/>	Task 3 – Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
<input checked="" type="checkbox"/>	Task 4 – Transportation and Disposal of Contaminated Material
<input checked="" type="checkbox"/>	Task 5 – Backfilling and Grading/Geotextile and Vegetation Placement
<input type="checkbox"/>	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input checked="" type="checkbox"/>	3	Chemical Hazards	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 10
<input checked="" type="checkbox"/>	3,4,5	Dust/Fumes/Particulates	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B2 Dust: JSAs 1,2,4,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Job Zone Control	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B3 Job Zone Control; All JSAs
<input type="checkbox"/>	3,4,5,6	Heat	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B4 Heat: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Cold	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B5 Cold; All JSAs
<input checked="" type="checkbox"/>	1,3,4,5,6	Severe Weather	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B6 Severe Weather: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Walking/Working Surfaces	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Noise	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B8 Noise: All JSA's
<input type="checkbox"/>	5,6	Live Electrical Equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B14 Live Electrical Equip: JSA 5,6,9
<input type="checkbox"/>	4,5	Poor Lighting	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Overhead Hazards	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B15 Overhead Hazards: JSA 2,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B17 Traffic Management: All JSA
<input checked="" type="checkbox"/>	5,6	Heavy machinery/drill rigs	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B18 Heavy Machinery: JSA 4,5
<input checked="" type="checkbox"/>	5,6	Trenching/Excavation	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B19 Trenching/Excavation: JSA 4,5,6,8
<input checked="" type="checkbox"/>	1,3,4,5,6	Vehicle use	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B20 Vehicle Use: All JSA
<input type="checkbox"/>	2,3	Work near/on water	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B21 Work Near/On Water: JSA 1
<input type="checkbox"/>	4,5	Elevated heights (<4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B22 Working from Heights (<4 feet)

**Project:**  
**BASF Facility**  
**Cranston, RI**  
**Date (       )**

SES  
(Page \_\_ of \_\_)

<input type="checkbox"/>	4,5	Elevated heights (>4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B23 Working from Heights (>4 feet)
<input type="checkbox"/>	5,6	Overhead/underground utilities	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B24 Overhead/Underground Utilities: JSA 1,3,4
<input type="checkbox"/>	4,5,6	Powered hand tools	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B25 Electrically Powered Equipment and Tools: JSA 9
<input type="checkbox"/>	4,5,6	Electrically powered equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B25 Electrically Powered Equipment and Tools: JSA 9
<input type="checkbox"/>	4,5,6	Cutting devices/tools	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B26 Cutting Devices/Tools; JSA 9
<input type="checkbox"/>	4,5	Drums, cylinders, containers	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 4
<input checked="" type="checkbox"/>	3,4,5,6	Material handling, ergonomics	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B29 Material Handling/Ergonomics: JSA 2,6,7,9
<input type="checkbox"/>	3,5,6	Poisonous/irritating plants	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Plants and Animals: All JSAs
<input checked="" type="checkbox"/>	4,5,6	Insects/rodents/snakes	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Plants and Animals; All JSAs
<input type="checkbox"/>	3,5,6	Ticks, mosquitos	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Poisonous Plants, Animals, and Insects; All JSA
<input type="checkbox"/>	1,3,4,5,6	Employees working early/late	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B34 Personal Safety; All JSAs
7	Note: A single hazard may be listed in more than one category.			

Note: A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.



## Excavated Materials Management Sheet

Excavation Date:	Source Location (station, offset, etc.) Cross-Ref w/ Map:	Field Screening Results (PID - ppm):	Sample Date:	Lab Result:	Location in Stockpile Yard (Cross-Ref w/ Map)	Reuse on/offsite	Offsite location	Placement Date:
11/5/18	CR11 #376 2A 3.25 TON							
11/5/18	CR11 #353 <del>B</del> 2B 2. 2.80 TON							
11/6/18	CR11 469 2C 27.15 TON							
11/6/18	CR11 #353 4.10 TON							
11/7/18	CR11 469 2C 14.85 TON							
11/8/18	CR11 393 3B 11.2 TON							
11/9/18	CR11 384 2A TON 2B							
11/9/18	Cell 392 Backfill 26.2 TON CC 70 TON wedge							
11/12/18	CR11 432 1C 57.65 tons							

11/13/18 CR11 476 2B  
8.85 TON

11/19/18 BI TRST Pit 164 YDS



Field Screening Results  
(PID - ppm):

**Sample Date:** \_\_\_\_\_

**Lab Result:**

Location in Stockpile Yard (Cross-Ref w/ Map)

Reuse  
on/offsite

Offsite location

Placement Date:

11/14

CR 11383 2A

4.55 tons

11/14

Cell 393 Q3B

140

11/16

Cell #400 2A | new

1.5 yard


11/16/18

Friday

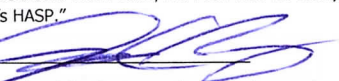
**BASF**  
**180 Mill Street, Lot 1102**  
**Cranston, RI**

Date	Name	Company Name	Time In	Time out
11/16/18	Charles McCarthy II	SES	0630 - 0820 - 12:37 - 1500	
11-16-18	John Leighton	SES	0630	3:00
11-16-18	John Gomer	SES	0700	3:00
11/16/18	Aaron Ting	AET	0700	1515
11/16/18	Joshua Klement	AET	06:50	1515
11/16/18	Evan Harring	AET	0720	1450
11/16/18	Rick Kowalski	AET	0800	10:45
11/16/18	Paul Saccub	SES	0800	10:00
11/16/18	Bob Woodcock	SES	0800	1000

**AEI**  
Consultants

Submitted By: Aaron C. Ting  
Signature:   
Date: 11/19/2018

Daily  
Precipitation: 0" Temp: 52-38  
(Hi - low)

PERSONNEL/EQUIPMENT		
Contractor	No.	
	Superintendent	
	1 Foremen	SES
	H&S/QA Officer	
	2 Operators	SES
	2 Laborers	SES
	Other Trades (Surveyor)	
SubContractor	No.	Company/Firm
	8	Total Personnel On Site
Owner/Representative: N/A		
AEI Personnel: Aaron Ting 1		
Josh Klement 1		
Evan Harring 1		
Visitors On Site: N/A		
<b>MAJOR EQUIPMENT:</b>		
1 support truck, Bobcat 289D skid steer, CAT 320C and 320E excavators		
CAT 996H Loader, 5 and 1 micron filters,		
carbon filtration system, Bobcat 50E with hammer attachment		
2-trash/recycling bins, 2-100 yd rail cars, 2-21,000 gallon frac tanks		
4,000 gallon baffle, 10,000 gallon, 8,000 gallon and 20,000 gallon frac tanks		
<b>WORK COMPLETED:</b>		
Setup decontamination equipment for 2-21,000 gallon frac tanks and 1-8,000 gallon open top frac. A separate Safe Work Permit and Pre-Task Plan were prepared for this work and are attached to this daily report. SES conducted decontamination work in accordance with Permit and job safety analyses. A Confined Space Entry Permit was filled out and closed out following decontamination of the two close top frac tanks. Decontamination followed TSCA's double wash rinse method. SES used Capsur as cleaning solvent.		
Hammered concrete encountered in stake location 478-481 located about 0.5 feet below grade. Also, hammered concrete located in the wedge (full day). Cut wedge soils along the floodway boundary. About 15 cy of soil and concrete were removed and staged in a temporary stockpile. The soils are to be used as onsite backfill.		
Excavated soils from stake location 478-481; Type 1B soils, 3' depth. Soils removed were utilized as onsite backfill. About 25 cy were removed.		
AEI setup perimeter dust monitors and no dust alerts observed.		
<b>HEALTH &amp; SAFETY:</b>		
AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedure and content of SES's HASP."		
AEI Signature 		
SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised. One AEI employee tripped during the workday. No lost time or medical attention needed. AEI/SES informed other crew members and reminded of slip-trips-and falls and being mindful of debris on ground.		
<b>ISSUES/CHANGES/RESOLUTIONS:</b>		
N/A		
<b>DISCUSSIONS/CLIENT DIRECTION:</b>		
N/A		





## DAILY WORKSHEET

Date: 11/19/18

Project Number: 18-0315

### CLIENT / SITE INFORMATION

Name: BAST

Address: 180 Mill St  
Canton RI

Contact:

### PROJECTS NOTES

MOB TO SITE TO DISCUSS TALK. SET UP DR CAN  
2 ADIM TANK AND 1 ADIM TANK. HAMMER UP PAD CELL #480 BI 25125  
DIS OUT WEDGE (WEDGES) ALONG FUDWAY FARM LINE BETWEEN PROPERTY  
TO FARM TANK CELL #470 AREA HAMMER UP PAD CANCASTER PAD  
ALONG WEDGES AND STOCK PILE. FOR USE IN CELL 412 WORK  
AGENCY

### LABOR

Name	Position	Travel	On-site	Off-Site	Travel
B ROJE	FS	5:30	6:30	16:00	17:00
M. TAMROS	FT	5:30	6:30	16:00	17:00
J LEIGHTON	BP	6:30	7:00	15:30	16:00
J GOMES	BP	6:30	7:00	15:30	16:00
C MCCANNY	FT	6:30	7:30	16:00	16:30

### MATERIALS / EQUIPMENT / TOOLS

Quantity	Item / Description
	PPE Level: A B C D
1	CAT 320
1	CAT 96L LAMP
1	CAT TALK
1	Roller
1	CAT 320
1	Roller
2	Roll off cans
1	Roll poly
2	Box nitrite
1	Toilet
1	Tank pump
2	2" Sump
4	GEN

### SUBCONTRACTORS

### WEATHER OBSERVATIONS

Project Manager's Signature: \_\_\_\_\_

Client's Signature: \_\_\_\_\_

[illegible]



<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date ( // / )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (1/1/19)</b>	<h2 style="margin: 0;">DAILY SAFE WORK FORM</h2>	<b>SES</b> (Page __ of __)
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Type of Equipment/Vehicles/Motorized Equipment	
<input checked="" type="checkbox"/> Field Service Trailer	<input checked="" type="checkbox"/> Roll-off Tractor Truck
<input checked="" type="checkbox"/> Excavators	<input checked="" type="checkbox"/> Roll-off containers
<input checked="" type="checkbox"/> Loader	<input type="checkbox"/> Dump Truck/Triaxle
<input checked="" type="checkbox"/> Track-Dozer	<input type="checkbox"/> Dump Trailers
<input checked="" type="checkbox"/> Skid Steer Loader	<input checked="" type="checkbox"/> Pickup Utility Trucks
<input checked="" type="checkbox"/> Frac Tank	<input checked="" type="checkbox"/> Sump Pump
<input type="checkbox"/> Generator	<input type="checkbox"/> Trench Box
<input type="checkbox"/> Water Buffalo	<input type="checkbox"/> NaOH Storage Tank
<input type="checkbox"/> Sawzall	<input type="checkbox"/> Other (list)

This work also requires the use of the permits or documents checked below
<input checked="" type="checkbox"/> PROJECT-SPECIFIC HASP
<input type="checkbox"/> LOCK-OUT, TAG-OUT PERMIT
<input checked="" type="checkbox"/> PRE-TASK PLANNING FORM
<input type="checkbox"/> CONFINED SPACE ENTRY PERMIT
<input type="checkbox"/> OTHERS (LIST)

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)			
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	See SES HASP
X		MSDS review / includes any 'new' chemicals	MSDS Sheets Provided in HASP
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	See SES HASP
X		Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic
	X	Language / Communication Difficulties	
X		Materials to be used	See Pre-Task Plan
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	See SES HASP
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate

Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)			
Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	To be developed on site with SES work crew
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	See SES HASP
X		Emergency Plans / Emergency Responder	See SES HASP
	X	Fall protection	
X		First Aid / Medical Treatment provisions	See SES HASP
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (1/19)</b>	<h2 style="margin: 0;">DAILY SAFE WORK FORM</h2>	<b>SES</b> (Page __ of __)
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<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Scaffolds / doorking	
<input checked="" type="checkbox"/>		Temporary electrical power	See SES HASP
	<input checked="" type="checkbox"/>	Temporary Utilities services	
<input checked="" type="checkbox"/>		Trench / Excavation Boxes	See SES HASP
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes											
		<input type="checkbox"/> PPE GRID		<input checked="" type="checkbox"/> MSDS		<input type="checkbox"/> BASF Knowledge		<input type="checkbox"/> Work Provider Knowledge		<input type="checkbox"/> Prior SWP	
YES	NO	ITEM				YES	NO	Item			
<input checked="" type="checkbox"/>		Hardhat (either) <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> Plastic					<input checked="" type="checkbox"/>	Rain Suit <input type="checkbox"/> Jacket <input type="checkbox"/> Pants			
<input checked="" type="checkbox"/>		Safety Glasses, ANZI-rated, side shields					<input checked="" type="checkbox"/>	Chemical Suit <input type="checkbox"/> Jacket <input type="checkbox"/> Pants			
	<input checked="" type="checkbox"/>	Goggles <input type="checkbox"/> Chemical <input type="checkbox"/> Dust					<input checked="" type="checkbox"/>	Personal Fall Protection Equipment			
	<input checked="" type="checkbox"/>	Faceshield						Gloves <input checked="" type="checkbox"/> Chemical <input type="checkbox"/> Work			
<input checked="" type="checkbox"/>		Hearing Protection <input checked="" type="checkbox"/> Plugs <input type="checkbox"/> Muffs				<input checked="" type="checkbox"/>		Long sleeve shirt and steel toed boots with steel shank			
	<input checked="" type="checkbox"/>	Respirator <input type="checkbox"/> Half mask <input type="checkbox"/> Full-face				<input checked="" type="checkbox"/>		Boots <input type="checkbox"/> Rubber <input checked="" type="checkbox"/> Other			
	<input checked="" type="checkbox"/>	Dust Mask					<input checked="" type="checkbox"/>	Welding Protection			
	<input checked="" type="checkbox"/>	Fire Retardant Electrical Clothing					<input checked="" type="checkbox"/>	Retrieval System for Confined Spaces			
<input checked="" type="checkbox"/>		Eyewash Station				<input checked="" type="checkbox"/>		Mobile phone or radios			
<input checked="" type="checkbox"/>		Tyvek Suits				<input checked="" type="checkbox"/>		Insect repellent, sunscreen			
		Other PPE (list)				<input checked="" type="checkbox"/>		High-visibility, reflective vest			

Training Requirements		
Need	N/A	Area
<input checked="" type="checkbox"/>		BASF Safety Orientation (if required)
<input checked="" type="checkbox"/>		MSDS Reviews
<input checked="" type="checkbox"/>		Review of precautions listed above per SES HASP
<input checked="" type="checkbox"/>		Review of required PPE
		Other training (specify) –



<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date ( 11/17 )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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<b>STRATEGIC ENVIRONMENTAL SERVICES</b>  <b>PRE-TASK PLAN (PTP)</b>	<b>PROJECT / JOB / TASK (Description):</b> BASF Cranston/CMI Implementation	<b>LOCATION:</b> 180 Mill Street, Cranston, RI	<b>DATE</b>
<b>SES SUPERVISOR:</b> <i>BRUN ROSE</i>			

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

Task List (Check off AND Circle today's activities)	
<input type="checkbox"/>	Task 1 - Permitting
<input checked="" type="checkbox"/>	Task 2 - Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
<input checked="" type="checkbox"/>	Task 3 - Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
<input checked="" type="checkbox"/>	Task 4 - Transportation and Disposal of Contaminated Material
<input checked="" type="checkbox"/>	Task 5 - Backfilling and Grading/Geotextile and Vegetation Placement
<input type="checkbox"/>	Task 6 - Demobilization

Tasks, Potential Hazards, and Recommended Actions or Procedures				
Today's Activities (Check Each)	Task Number(s)	Hazards	Relative Hazard /Risk Rating*	Hazard Controls Mechanism and/or JSA (See HASP)
<input checked="" type="checkbox"/>	3	Chemical Hazards	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 10
<input checked="" type="checkbox"/>	3,4,5	Dust/Fumes/Particulates	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B2 Dust: JSAs 1,2,4,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Job Zone Control	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B3 Job Zone Control; All JSAs
<input type="checkbox"/>	3,4,5,6	Heat	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B4 Heat: All JSAs
<input type="checkbox"/>	3,4,5,6	Cold	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B5 Cold; All JSAs
<input type="checkbox"/>	1,3,4,5,6	Severe Weather	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B6 Severe Weather: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Walking/Working Surfaces	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Noise	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B8 Noise: All JSA's
<input type="checkbox"/>	5,6	Live Electrical Equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B14 Live Electrical Equip: JSA 5,6,9
<input type="checkbox"/>	4,5	Poor Lighting	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Overhead Hazards	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B15 Overhead Hazards: JSA 2,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B17 Traffic Management: All JSA
<input checked="" type="checkbox"/>	5,6	Heavy machinery/drill rigs	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B18 Heavy Machinery: JSA 4,5
<input checked="" type="checkbox"/>	5,6	Trenching/Excavation	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B19 Trenching/Excavation: JSA 4,5,6,8
<input checked="" type="checkbox"/>	1,3,4,5,6	Vehicle use	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B20 Vehicle Use: All JSA
<input type="checkbox"/>	2,3	Work near/on water	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B21 Work Near/On Water: JSA 1
<input type="checkbox"/>	4,5	Elevated heights (<4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B22 Working from Heights (<4 feet)





**BASF**  
INACTIVE SITES

## SAFE WORK PERMIT

**BASF**  
The Chemical Company

### Servicing or Maintenance Work Description

Description of Work: *Decontamination of Fractionation Tanks*

Start Date / Time *11/19/18 11:45*

Location of Work *180 Mill Street, Cranston RI  
Lot 1107*

### Servicing or Maintenance Work Provider Identification

Company Name *SES*

# personnel *43*

Contact Person *Brian Zee*

# / type vehicles *1 / service truck*

Contact phone # *508-326-6523*

### This work also requires the use of the permits checked below

☒ CONTRACTOR SAFETY PLAN DOCUMENTS

☐ LOCK, TAG, AND TRY PERMIT

☒ PRE-TASK PLANNING FORM

☒ CONFINED SPACE ENTRY PERMIT

### Risks and Hazards Identification Identify the source/s used and include necessary specific information

Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
<input checked="" type="checkbox"/>		Pre-work Inspection of the work site	
	<input checked="" type="checkbox"/>	MSDS review / includes any 'new' chemicals	
	<input checked="" type="checkbox"/>	Crane Operations	
<input checked="" type="checkbox"/>		Elevated Work	<i>Scaling up and down from tank ladders</i>
<input checked="" type="checkbox"/>		Environmental Conditions	<i>Air conditions in tank, mechanical, electrical</i>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Heavy Powered Mobile Equipment Use	<i>generator use / electrical safety</i>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Language / Communication Difficulties	<i>working inside tank use of PPE</i>
	<input checked="" type="checkbox"/>	Materials to be used	
	<input checked="" type="checkbox"/>	Overhead Work / Rigging	
	<input checked="" type="checkbox"/>	Special Equipment to be used	
	<input checked="" type="checkbox"/>	Trenching / Excavation	
	<input checked="" type="checkbox"/>	Utilities System tie-in / restrictions	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Other Risks or Hazards	<i>Confined space entry</i>

### Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed

Need	N/A	Area	Specific measures that are required
<input checked="" type="checkbox"/>		Access & Egress Plans (People & Equipment)	
	<input checked="" type="checkbox"/>	Barricades needed	
	<input checked="" type="checkbox"/>	BASF equipment / materials to be used	
<input checked="" type="checkbox"/>		Electrical safety equipment required	<i>GFCIs, read pumps to protect cords from vehicle traffic</i>
	<input checked="" type="checkbox"/>	Elevator use	
<input checked="" type="checkbox"/>		Emergency Equipment	<i>safety / personal harness, fire extinguisher</i>
<input checked="" type="checkbox"/>		Emergency Plans / Emergency Responder	<i>See SES HASP</i>
	<input checked="" type="checkbox"/>	Fall protection	
<input checked="" type="checkbox"/>		First Aid / Medical Treatment provisions	<i>See SES HASP</i>
	<input checked="" type="checkbox"/>	HOT WORK Procedure requirements	
	<input checked="" type="checkbox"/>	HVAC System requirements	
	<input checked="" type="checkbox"/>	LINE-BREAKING procedure requirements	
	<input checked="" type="checkbox"/>	Scaffolds / decking	
<input checked="" type="checkbox"/>		Temporary electrical power	<i>GFCI for lines to generator</i>
	<input checked="" type="checkbox"/>	Temporary Utilities services	
	<input checked="" type="checkbox"/>	Trench / Excavation Boxes	
<input checked="" type="checkbox"/>		Other Requirements	<i>Air monitoring equipment (e.g., 4-gas meter)</i>



# Safe Work Permit

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes						
		<input type="checkbox"/> PPE GRID	<input checked="" type="checkbox"/> MSDS	<input type="checkbox"/> BASF Knowledge	<input checked="" type="checkbox"/> Work Provider Knowledge	<input type="checkbox"/> Prior SWP
YES	NO	ITEM		YES	NO	Item
<input checked="" type="checkbox"/>		Hardhat (either) <input type="checkbox"/> Fiberglass <input type="checkbox"/> Plastic			<input checked="" type="checkbox"/>	Rain Suit <input type="checkbox"/> Jacket <input type="checkbox"/> Pants
<input checked="" type="checkbox"/>		Safety Glasses		<input checked="" type="checkbox"/>		Chemical Suit <input checked="" type="checkbox"/> Jacket <input checked="" type="checkbox"/> Pants
	<input checked="" type="checkbox"/>	Goggles <input type="checkbox"/> Chemical <input type="checkbox"/> Dust			<input checked="" type="checkbox"/>	Personal Fall Protection Equipment
<input checked="" type="checkbox"/>		Faceshield		<input checked="" type="checkbox"/>		Gloves <input checked="" type="checkbox"/> Chemical <input type="checkbox"/> Work
<input checked="" type="checkbox"/>		Hearing Protection <input checked="" type="checkbox"/> Plugs <input checked="" type="checkbox"/> Muffs		<input checked="" type="checkbox"/>		Safety Shoes
<input checked="" type="checkbox"/>		Respirator <input checked="" type="checkbox"/> Half-mask <input checked="" type="checkbox"/> Full-face		<input checked="" type="checkbox"/>		Boots <input checked="" type="checkbox"/> Rubber <input type="checkbox"/> Other
	<input checked="" type="checkbox"/>	Dust Mask			<input checked="" type="checkbox"/>	Welding Protection
	<input checked="" type="checkbox"/>	Fire Retardant Electrical Clothing		<input checked="" type="checkbox"/>		Retrieval System for Confined Spaces
	<input checked="" type="checkbox"/>	OTHER PPE				

## Training Requirements

Need	N/A	Area
	<input checked="" type="checkbox"/>	BASF Safety Orientation
<input checked="" type="checkbox"/>		MSDS reviews
<input checked="" type="checkbox"/>		Review of required precautions listed above
<input checked="" type="checkbox"/>		Review of required PPE listed above
<input checked="" type="checkbox"/>		Other training (specify) - <i>confined space entry</i>

Permit Issuer (PI) Authorization to work	Permit Acceptor (PA) Agreement / Verification
<input checked="" type="checkbox"/> Notified all teams of work area	<input checked="" type="checkbox"/> Acknowledge & Agree to listed requirements
<input checked="" type="checkbox"/> Completed review of all sections above	<input checked="" type="checkbox"/> A copy of this SWP will be kept at the work area
<input checked="" type="checkbox"/> Work to start within 2 hours of listed Start Date / Time	<input checked="" type="checkbox"/> I understand written and spoken English and have means to communicate with my employees who cannot
<input checked="" type="checkbox"/> Reviewed requirements with Permit Acceptor	<input checked="" type="checkbox"/> All personnel have been trained in required PPE
	<input checked="" type="checkbox"/> All personnel will be informed of listed requirements
	<input checked="" type="checkbox"/> Safety orientation to be completed as required
PI Signature / Date <i>[Signature]</i> 11/19/18	PA Signature / Date <i>[Signature]</i> 11/19/18

Permit Issuer (PI) Verification of Completion				Permit Acceptor (PA) Verification of Completion	
<input checked="" type="checkbox"/>	Post-work review of work site okay			<input checked="" type="checkbox"/>	Servicing or Maintenance Work activities completed
<input checked="" type="checkbox"/>	Equipment / area control returned to BASF			<input checked="" type="checkbox"/>	Tools, equipment, materials removed from work site
<input checked="" type="checkbox"/>	Reports / other documentation received			<input checked="" type="checkbox"/>	All personnel out of work area
<input checked="" type="checkbox"/>	Reviewed the noted problem list with provider			<input checked="" type="checkbox"/>	Work site as clean as when work started
Problems noted by the servicing or maintenance permit acceptor or those doing the work					
Found	Fixed	Left Unfixed	Details		
PI Signature / Date <i>[Signature]</i> 11/19/18			PA Signature / Date <i>[Signature]</i> 11/19/18		



COMPANY NAME (performing work): <b>SES</b>	PROJECT / JOB / TASK (Description): Decontamination of frac tanks	LOCATION: 180 Mill Street Crawford, RI	DATE: <b>11/19/18</b>
<b>PRE-TASK PLAN (PTP)</b>	SUPERVISOR: <b>Brian Roe</b>		
Safe Work Permit Number:	CREW SIGN OFF: <b>Chris F. McCarty - TV</b> <b>Richard R. [Signature]</b> <b>[Signature]</b>		
SEQUENCE OF TASK / JOB STEPS (Consider Equipment, Tools and Conditions)	POTENTIAL HAZARDS (Energy forms – Motion, Chemical, Radiation, Electrical, Gravity, Heat/Cold, Biological, Pressure)	RECOMMENDED ACTION OR PROCEDURE (When possible... <u>Eliminate</u> the energy, <u>Control</u> and/or <u>Protect</u> against unwanted contact/release)	
Mobilization/Evaluation	Hazardous atmosphere, tank configuration, exits and entrances	Evaluate air conditions using 4-gas meter, overview frac tank for hazardous materials	
Confined Space Entry/Decon	Chemical, emergency procedures/conditions	Confined space permit, identifying communication methods, procedures, emergency plan. Workers don Tyvek suits, boots, chemical resistant gloves, respirators, hearing protection. Safety/retrieval harnesses worn by all workers in frac tank. Spotter to remain at frac tank during entire operation. Rescue personnel and equipment must be on site during all CSE work.	
(Use and attach extra paper if needed, then attach this PTP to Permit for issuance)			

## Aaron Ting

---

**From:** Paul Saccente <psaccente@strategic-es.com>  
**Sent:** Monday, November 19, 2018 10:44 AM  
**To:** Brian Roe; Aaron Ting; Rick Kowalski; Bob Maddock  
**Subject:** Cranston Fire Department has been notified of Confined Space Entry for today. We need to call them when we are done. (EOM)

Paul Saccente

Strategic Environmental Services, Inc.

27 Kreiger Lane, Unit 10

Glastonbury, CT 06033

Office: 860-266-2616

Fax: 508-363-2346

Cell: 860-571-1140



[www.strategic-es.com](http://www.strategic-es.com)

**Certified: DBE/WBE (MA & CT)**

Privileged and confidential. If received in error, please notify me by e-mail and delete the message.



## CONFINED SPACE ENTRY PERMIT

ALL COPIES OF PERMIT WILL REMAIN AT JOB SITE UNTIL JOB IS COMPLETED  
ONE COPY MUST BE SUBMITTED TO THE HEALTH AND SAFETY SPECIALIST

LOCATION: 180 Mill Street Cranston, RI

DESCRIPTION OF SPACE: 21k 20k Frac Tanks used for Dewatering

PURPOSE OF ENTRY: Cleaning before off-site removal

DATE: 11/19/18

START TIME: 13:00

ENDING TIME: 17:00

ENTRY SUPERVISOR(S)		# OF CREW	PHONE			
Brian Roe		3	508-326-6523			
Special Requirements		yes	no		yes	no
Lockout / De-energize			X	Escape Harness	X	
Lines Broken / Capped		X		Tripod Escape Unit		X
Purge / Flush / Vent		X		Lifelines	X	
Ventilation			X	Fire Extinguishers	X	
Secure Area		X		Lighting		X
Protective Clothing		X		Respirator	X	
S.C.B.A.			X	Air-line respirator		X

### TEST(S) TO BE TAKEN PRIOR TO AND DURING ENTRY

Valid for one 8 hr. shift	P.E.L.*	Yes	No	Time	Time	Time	Time	Time	Time	Time	Time	Time
				13:00	13:23	13:40	14:00	14:15	14:45			
% of Oxygen	-19.5% - +21%	X		20.9	20.9	20.9	20.9	0	0			
% of L.E.L.*	Any % over 10%	X		0	0	0	0	0	0			
Carbon Monoxide	50 ppm	X		0	0	0	0	0	0			
Aromatic Hydrocarbon	10 ppm		X									
Hydrocyanic Acid	10 ppm			0								
Hydrogen Sulfide	10 ppm	X		0	0	0	0	0	0			
Sulfur Dioxide	5 ppm		X									
Ammonia	25 ppm		X									

NOTE: CONTINUOUS/PERIODIC TESTS SHALL BE ESTABLISHED BEFORE BEGINING JOB.

ANY QUESTIONS PERTAINING TO TEST REQUIREMENTS SHOULD BE DIRECTED TO: Brian Roe

TESTING INSTRUMENTS USED

NAME

TYPE

I.D. NO.

4 GAS ENTIS MX4 17111PU-001

INSTRUMENT CALIBRATION: 11/15/18

\* PEL = PERMISSIBLE ENTRY LEVEL

\* LEL = LOWER EXPLOSION LEVEL





AUTHORIZED ENTRANTS: AUTHORIZED ATTENDANTS:

CHARLIE MCCARTHY MICHAEL SPANIS

PERMIT AUTHORIZATION

I certify that all actions and conditions necessary for safe entry have been performed.

BRAUN ROSE

Name (print)

Signature:

Date:

11/19/18

Time: 14:00

#### Permit Closeout and Debrief

Additional Hazards Noted:

Entry Supervisor Signature (Closeout Completed)

Name (print):

BRAUN ROSE

Date:

11/19/18

FIRE: 911

AMBULANCE: 911

RESCUE: Confined Space Rescue to be conducted by SES Employees (Cranston Fire Department to be notified of Confined Space Entry activities prior to entry. In case of emergency, dial 911.



## CONFINED SPACE ENTRY PERMIT

ALL COPIES OF PERMIT WILL REMAIN AT JOB SITE UNTIL JOB IS COMPLETED  
ONE COPY MUST BE SUBMITTED TO THE HEALTH AND SAFETY SPECIALIST

LOCATION: 180 Mill Street Cranston, RI

DESCRIPTION OF SPACE: <sup>21k</sup>20k Frac Tanks used for Dewatering

PURPOSE OF ENTRY: Cleaning before off-site removal

DATE: 11/19/18

START TIME: 14:10

ENDING TIME: 16:00

ENTRY SUPERVISOR(S)	# OF CREW	PHONE
Brian Roe	3	508-326-6523

Special Requirements	yes	no		yes	no
Lockout / De-energize		X	Escape Harness	X	
Lines Broken / Capped	X		Tripod Escape Unit		X
Purge / Flush / Vent	X		Lifelines	X	
Ventilation		X	Fire Extinguishers	X	
Secure Area	X		Lighting		X
Protective Clothing	X		Respirator	X	
S.C.B.A.		X	Air-line respirator		X

### TEST(S) TO BE TAKEN PRIOR TO AND DURING ENTRY

Valid for one 8 hr. shift	P.E.L.*	Ye	No	Time	Time	Time	Time	Time	Time	Time	Time	Time
				14:15	14:30	15:00	15:20	15:45				
% of Oxygen	-19.5% - +21%	X		20.9	20.9	20.9	20.9	20.9				
% of L.E.L.*	Any % over 10%	X		0	0	0	0	0				
Carbon Monoxide	50 ppm	X		0	0	0	0	0				
Aromatic Hydrocarbon	10 ppm		X									
Hydrocyanic Acid	10 ppm			0	0	0	0	0				
Hydrogen Sulfide	10 ppm	X		0	0	0	0	0				
Sulfur Dioxide	5 ppm		X									
Ammonia	25 ppm		X									

NOTE: CONTINUOUS/PERIODIC TESTS SHALL BE ESTABLISHED BEFORE BEGINNING JOB.

ANY QUESTIONS PERTAINING TO TEST REQUIREMENTS SHOULD BE DIRECTED TO: Brian Roe

TESTING INSTRUMENTS USED: 4-GNS NAME: BENTIS TYPE: MX4 I.D. NO.: 17111A2-01

INSTRUMENT CALIBRATION: 11/15/18

\* PEL = PERMISSIBLE ENTRY LEVEL  
\* LEL = LOWER EXPLOSION LEVEL





**STRATEGIC**  
ENVIRONMENTAL SERVICES

AUTHORIZED ENTRANTS:

AUTHORIZED ATTENDANTS:

PERMIT AUTHORIZATION

AMT/G MIKE TAMMO  
CHARLIE MCCARTHY  
\_\_\_\_\_  
\_\_\_\_\_

I certify that all actions and conditions  
necessary for safe entry have been performed.

Brian Roe  
Name (print)

Signature: \_\_\_\_\_

Date: 11/19

Time: 13:00

**Permit Closeout and Debrief**

Additional Hazards Noted: \_\_\_\_\_

Entry Supervisor Signature (Closeout Completed)

Name (print): Brian Roe

Date: 11/19/18

FIRE: 911

AMBULANCE: 911

**RESCUE:** Confined Space Rescue to be conducted by SES Employees (Cranston Fire Department to be notified of  
Confined Space Entry activities prior to entry. In case of emergency, dial 911.


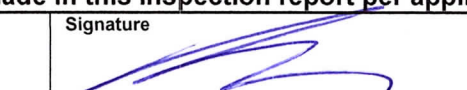
## SESC Plan Inspection Report

Project Information			
Name	Former Ciba-Geigy Facility		
Location	180 Mill Street, Cranston, RI (Lot 1102)		
DEM Permit No.	18-0048/RIR101724		
Site Owner	Name Joseph Guarnaccia	Phone 973-245-5269	Email Joseph.guarnaccia@basf.com
Site Operator	Name Brian Roe	Phone	Email broe@strategic-es.com
Inspection Information			
Inspector Name	Name Aaron C. Ting	Phone 978-577-7138	Email ating@aeiconsultants.com
Inspection Date	11/19/18	Start/End Time	1000 - 1030
Inspection Type <input type="checkbox"/> Weekly <input type="checkbox"/> Pre-storm event <input type="checkbox"/> During storm event <input checked="" type="checkbox"/> Post-storm event <input type="checkbox"/> Other			
Weather Information			
Last Rain Event Date: 11/16/18    Duration (hrs): 1.5    Approximate Rainfall (in): 0.35			
Rain Gauge Location & Source: On-site weather station (Davis Vantage Pro)			
Weather at time of this inspection: Cloudy, 38°F			

**Check statement that applies then sign and date below:**

☒ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have determined that maintenance and corrective actions are not required at this time.

☐ I, as the designated Inspector, certify that this site has been inspected as required by regulation and I have made the determination that the site requires corrective actions. The required corrective actions are noted within this inspection report.

Inspector:	Print Name Aaron C. Ting	Signature 	Date 11/19/18
	The Site Operator acknowledges by his/her signature, the receipt of this SESC Plan inspection report and its findings. He/she acknowledges that all recommended corrective actions must be completed and documentation of all such corrective actions must be made in this inspection report per applicable regulations.		
Operator:	Print Name Brian Roe	Signature 	Date 11/19/18



**Site-specific Control Measures**

Number the structural and non-structural stormwater control measures identified in the SESC Plan and on the SESC Site Plans and list them below (add as necessary). Bring a copy of this inspection form and any applicable SESC Site Plans with you during your inspections. This list will assist you to inspect all control measures at your site.

FILL THIS TABLE USING THE SESC PLAN TABLES 2.11 & 3.12.

	Location/Station	Control Measure Description	Installed & Operating Properly?	Assoc. Photo/ Figure #	Corrective Action Needed (Yes or No; if 'Yes', please detail action required)
1	Construction Site Exit including decontamination pad	RIDOT Standard Specifications  RI Soil Erosion and Sediment Control Book	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	see photo log	
2	Project-wide including material stockpiles	Perimeter – compost filter socks (RIDOT 9.2.0); Stockpiles – haybales (RIDOT standard specification 206, 212)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
3	Project wide including material stockpiles	RI SESC Handbook  Water for dust control/cover stockpiles  RIDOT Standard Specification/RISEC Handbook	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
4	Adjacent Roads	Roads adjacent to construction site shall be clean at the end of each workday	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
5	Project-wide	Pickup construction trash/debris	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
6	Project-wide	Spill prevention/spill containment measures	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
7			<input type="checkbox"/> Yes <input type="checkbox"/> No		
8			<input type="checkbox"/> Yes <input type="checkbox"/> No		

**General Site Issues**

Below are some general site issues that should be assessed during inspections. Please **customize** this list as needed for conditions at the site.

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
1	Have all control measures been installed as specified in the RISESC Handbook and prior to any earth disturbing activities?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	see photo 105 ↓	
2	Are appropriate limits of disturbance (LOD) established?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
3	Are controls that limit runoff from exposed soils by diverting, retaining, or detaining flows (such as check dams, sediment basins, etc.) in place?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
4	Are all temporary conveyance practices installed correctly and functioning as designed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
5	Has maintenance been performed as required to ensure continued proper function of all temporary conveyances practices?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
6	Were all exposed soils seeded by October 15 <sup>th</sup> ?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
7	Have soils been stabilized where earth disturbance activities have permanently or temporarily ceased on any portion of the site and will not resume for more than 14 days?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
8	In instances where adequate vegetative stabilization was not established by November 15 <sup>th</sup> , have non-vegetative erosion control measures must be employed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
9	If work is to continue from October 15 <sup>th</sup> through April 15 <sup>th</sup> , are steps taken to ensure that only the day's work area will be exposed and all erodible soil is stabilized within 5 working days?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
10	Have inlet protection measures (such as fabric drop inlet protection, curb drop inlet protection, etc.) been properly installed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
11	Has the operator cleaned and maintained inlet protection measures when needed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
12	Has the operator removed accumulated sediment adjacent to inlet protection measures within 24 hours of detection?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		



	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
13	Has the operator properly installed outlet protection (such as riprap, turf mats, etc.) at all temporary and permanent discharge points?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
14	Are all outlet protection measures functioning properly in order to reduce discharge velocity, promote infiltration, and eliminate scour?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
15	Have all discharge points been inspected to ensure the prevention of scouring and channel erosion?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
16	Have sediment controls been installed along perimeter areas that will receive stormwater from earth disturbing activities?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	See photo log ↓	
17	Is the operator maintaining sediment controls in accordance with the requirements in the RI SESC Handbook?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
18	Have temporary sediment barriers been installed around permanent infiltration areas (such as bioretention areas, infiltration basins, etc.)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
19	Have staging areas and equipment routing been implemented to avoid compaction where permanent infiltration areas will be located?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
20	Are surface outlet structures (such as skimmers, siphons, etc.) installed for each temporary sediment basin? [Exception: frozen conditions]	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
21	Have all temporary sediment basins or traps been inspected and maintained as required to ensure proper function?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
22	Does the project include the use of polymers, flocculants, or other chemicals to control erosion, sedimentation, or runoff from the site?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
23	Are all chemicals being managed in accordance with Appendix J of the RISESC Handbook and current best management practices?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
24	Has the site operator taken steps to <b>prohibit</b> the following pollutant discharges on the site?			
a	Contaminated groundwater.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	See photo log	

	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
b	Wastewater from washout of concrete; unless properly contained, managed, and disposed of.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
c	Wastewater from washout and cleanout of stucco, paint, form release oils, curing compounds, and other construction products.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
d	Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	see photo log	
e	Soaps or solvents used in vehicle and equipment washing.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
f	Toxic or hazardous substances from a spill or other release.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
25	Is the operator using properly constructed entrances/exits to the site so sediment removal occurs prior to vehicles exiting?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
26	If needed, are additional controls (such as rumble strips, rattle plates, etc.) in place to remove sediment from tires prior to exiting?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
27	Is sediment track-out being removed by the end of the same workday in which it occurs (via sweeping, shoveling, or vacuuming)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	see photo log	
28	Are all wastes generated at the site being managed and properly disposed of by the end of each workday?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
29	Are all chemicals and hazardous waste materials stored properly in covered areas and surrounded by containment control systems?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
30	Has the operator established highly visible locations for the storage of spill prevention and control equipment on the construction site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
31	Are allowable non-stormwater discharges being managed properly with adequate controls?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
32	Is the site operator properly managing groundwater or stormwater that is removed from excavations, trenches, or similar points of accumulation?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
33	Are proper procedures and controls in place for the storage of materials that may discharge pollutants if	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		



	Compliance Question		Assoc. Photo/ Figure #	Corrective Action Needed (If 'Yes', please detail action required and include location/station)
	exposed to stormwater?			
	Are stockpiles located within the limits of disturbance?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	see photo 105	
	Are stockpiles being protected from contact with stormwater using a temporary sediment barrier?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	↓	
	Where needed, has cover or appropriate temporary vegetative or structural stabilization been utilized for stockpiles?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
	Is the operator effectively managing the generation of dust through the use of water, chemicals, or minimization of exposed soil?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	See photo 105	
	Are designated washout areas (such as wheel washing stations, washout for concrete, paint, stucco, etc.) clearly marked on the site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	↓	
	Are vehicle fueling and maintenance areas properly located to prevent pollutants from impacting stormwater and sensitive receptors?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	↓	
	(Other)			

(add more as necessary)

General Field Comments: N/A



## Photos:

Photo #: 1	Station: North Site Description: Decontamination pad located on Lot 2682 and temporary stockpiles covered by poly.
	
Photo #: 2	Station: North Site Description: Temporary soil stockpile area on Lot 1102.
	




Photo #: 3	Station: North Site Description: Construction access road leading to Mill St from Lot 1102. Adjacent roadway kept clean from any soil track-out from exiting vehicles/equipment.
	
Photo #: 4	Station: Northeast Site Description: CFS staked on northeastern property boundary.
	



Photo #: 5	Station: South Site Description: Staked silt fence on south east side of Site in floodway. Some silt fence removed to excavate impacted soils adjacent to the riverway.
	
Photo #: 6	Station: South Site Description: CFS located on south side of Site.
	



Photo #: 7	Station: South Site
	Description: Fractionation tank used to manage treated groundwater. Groundwater treated using onsite carbon/micro-filtration system.

**BASF**  
**180 Mill Street, Lot 1102**  
**Cranston, RI**

Date	Name	Company Name	Time In	Time out
11/19/18	Michael James	SES	6:30	1600
11/19	B. ROR	SRJ	06:30	16:00
11/19	John Connors	SES	700	3:30
11/19	John Leighton	SES	0700	3:30
11/19	Joshua Klement	AEI	06:50	1545
11/19	Aaron Tring	AEI	0700	1600
11/19	Charles McCarthy	SES	6730	16:00
11/19	Evan Harding	AEI	0730	1900

**AEI**  
Consultants

Submitted By: Aaron C. Ting  
Signature: \_\_\_\_\_  
Date: 11/20/2018

Daily  
Precipitation: 0.13" Temp: 52-38  
(Hi - low)

PERSONNEL/EQUIPMENT		
Contractor	No.	
	Superintendent	
	1 Foremen	SES
	H&S/QA Officer	
	2 Operators	SES
	Laborers	SES
	Other Trades (Surveyor)	
SubContractor	No.	Company/Firm
	1 Diprete	
	1 Warwick Tree	ACT 11/20/18 RE
	15	14 Total Personnel On Site
Owner/Representative: N/A		
AEI Personnel: Aaron Ting 1		
Josh Klement 1		
Evan Harring 1		
Rick Kowalski 1		
Visitors On Site: N/A		
Warwick Tree (4) (ACT 11/20/18 RE)		
See separate PTP/SLP		
MAJOR EQUIPMENT:		
EQUIPMENT/MATERIALS RECEIVED		
1 support truck, Bobcat 289D skid steer, CAT 320C and 320E excavators demobilized 21,000 gallon frac tank		
CAT 996H Loader, 5 and 1 micron filters,		
carbon filtration system, Bobcat 50E with hammer attachment		
2-trash/recycling bins, 2-100 yd rail cars, 1-21,000 gallon frac tanks		
4,000 gallon baffle, 10,000 gallon, 8,000-gallon and 20,000 gallon frac tanks		
WORK COMPLETED:		
Setup decontamination equipment for 1-21,000 gallon frac tank, 1-10,000 gallon and 1-4,000 gallon open top fracs. A separate Safe Work Permit and Pre-Task Plan were prepared for this work and are attached to this daily report. SES conducted decontamination work in accordance with Permit and job safety analyses. A Confined Space Entry Permit was filled out and closed out following decontamination of the two close top frac tanks. Decontamination followed TSCA's double wash rinse method. SES used Capsur as cleaning solvent.		
Continued excavating soils from stake location 478-481; Type 1B soils, 3' depth. Soils removed were utilized as onsite backfill. About 20 cy were removed. AEI collected post excavation soil samples for PCBs (laboratory only due to in floodway).		
Hammered concrete (half day) and redig Type 2C soils (half day). About 4.2 cy removed and temporarily stockpiled on Lot 2682 for future rail transport to WM Emelle.		
Loaded soil/debris to RIRRC in Johnston, RI. 5 loads of debris (150 tons) and 1 load of soil (30 tons) were shipped to the disposal facility via 18-tyd triaxle trailers. ACT 11/20/18 RE		
Approximately 2,000 gallons of groundwater was treated today to empty the remaining frac tanks to allow for decontamination to proceed. Treated GW stored in 20,000 gallon frac awaiting transport offsite to Global facility in Taunton, MA.		
Diprete onsite to survey locations of impermeable liner placement.		
Warwick Tree onsite to remove tree; however, due to logistical issues, Warwick Tree would have to remobilize with a crane to cut down tree. No crane readily available. SES will advise on new schedule.		
AEI setup perimeter dust monitors and no dust alerts observed.		
HEALTH & SAFETY:		
AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedure and content of SES's HASP."		
AEI Signature		
SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised. A separate PTP/SLP was prepared for Warwick Tree, but not signed.		
ISSUES/CHANGES/RESOLUTIONS:		
N/A		
DISCUSSIONS/CLIENT DIRECTION:		
N/A		





# DAILY WORKSHEET

Date: 11/20/18

Project Number: 18-0315

## CLIENT / SITE INFORMATION

Name: BASF

Address: 180 MAIN ST

CONSTAN RE

Contact:

## PROJECTS NOTES

MID TO SITE. SET UP CLEAN DIRT CLOSE TOP + D OPE  
~~THE~~ PNE TANK LOAD OUT 6 LOAD TO REPRC. ~~AND~~ BREAK UP CONCRETE  
 IN 435 CELL TO SAMPLE CONCRETE

## LABOR

## MATERIALS / EQUIPMENT / TOOLS

Name	Position	Travel	On-site	Off-Site	Travel
B. ROR	FS	5:30	6:30	15:30	16:30
M. TAMAR	FT	5:30	6:30	15:30	16:30
B. SOILUN	FT	6:30	7:00	15:30	16:00
J. LIGHTON	OP	6:30	7:00	15:30	16:00
J. GOMBS	OP	6:30	7:00	15:30	16:00
C. MC. CARTHY	FT	6:30	7:00	15:30	16:00

Quantity	Item / Description
	PPE Level: A B C D
1	CAT 320
1	CAT LOADER
1	CAT SKID STEER (HILLVIEW)
1	RAMP
1	CAT 320
1	Roll PPE -
4	GRN
2	Sump
1	TOILET

## SUBCONTRACTORS

## WEATHER OBSERVATIONS

Project Manager's Signature: \_\_\_\_\_

Client's Signature: \_\_\_\_\_

**Project:**  
**BASF Facility**  
**Cranston, RI**  
**Date ( 11/20 )**

**SES, Sutton, MA**  
(Page \_\_\_ of \_\_\_)

### Servicing or Maintenance Work Description

Description of Work:	CMI Implementation Project
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Start Date / Time: (Date) (Time)	11/20/18 0700
----------------------------------	---------------

Location of Work	180 Mill Street, Cranston, RI
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**Strategic Environmental Services, Inc. (SES)**

Primary/Lead Company Name: SES

Contact Person: BRA ~ POZ

Contact phone # (500) 376-6523

**Health and Safety (H&S) Plan (HASP) Signatures**

Sign-off sheet attesting that the HASP has been made available and reviewed by the individual prior to entry into the site, and/or daily H&S briefing. All personnel participating in the project must receive initial Health and Safety Orientation. Thereafter, a tailgate safety meeting is required daily, and as otherwise deemed necessary by the Site Health and Safety Officer. By signing below, an individual certifies that he has read, understood, and will observe the contents of this HASP and Daily Safe Work Form with Pre-Task Planning Form.

## Health and Safety Meeting

Date	Name of Attendee (Print)	Company	Initials
11/20/18	Michael JAMES SR	SES	mdj
11/20/18	JOHN LEIGHTON	SES	RL
11/20/2018	John Gane	SES	JB
11/20/18	Brett Sullivan	SES	BS
11/20/18	Earle Tammelleo	Diprotec	ET
11/20/18	Aaron Ting	AEI	ACT
11/20/18	Charles McCarty II	SES	cm
11/20/18	Joseph Drebaum	AEI	JD
11/20/18	Evan Hynke	AEI	EALH
11/20	BRN ROZ	SES	BR
11/20/18	Rick Kowalski	AEI	RK

## Visitor Log

It is SES's policy that visitors must furnish their own personal protective equipment. All visitors are required to sign the visitor log and comply with Health and Safety Plan requirements. If the visitor represents a regulatory agency concerned with site health and safety issues, the Designated Site Supervisor shall also immediately notify HSC.

[illegible]

<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (1/1/20 )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date ( 1/1/20 )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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Type of Equipment/Vehicles/Motorized Equipment	
<input checked="" type="checkbox"/> Field Service Trailer	<input checked="" type="checkbox"/> Roll-off Tractor Truck
<input checked="" type="checkbox"/> Excavators	<input checked="" type="checkbox"/> Roll-off containers
<input checked="" type="checkbox"/> Loader	<input type="checkbox"/> Dump Truck/Triaxle
<input type="checkbox"/> Track Dozer	<input type="checkbox"/> Dump Trailers
<input checked="" type="checkbox"/> Skid Steer Loader	<input checked="" type="checkbox"/> Pickup Utility Trucks
<input checked="" type="checkbox"/> Frac Tank	<input checked="" type="checkbox"/> Sump Pump
<input checked="" type="checkbox"/> Generator	<input type="checkbox"/> Trench Box
<input type="checkbox"/> Water Buffalo	<input type="checkbox"/> NaOH Storage Tank
<input type="checkbox"/> Sawzail	<input type="checkbox"/> Other (list)

This work also requires the use of the permits or documents checked below	
<input checked="" type="checkbox"/> PROJECT-SPECIFIC HASP	
<input type="checkbox"/> LOCK-OUT, TAG-OUT PERMIT	
<input checked="" type="checkbox"/> PRE-TASK PLANNING FORM	
<input type="checkbox"/> CONFINED SPACE ENTRY PERMIT	
<input type="checkbox"/> OTHERS (LIST)	

Anticipated Project Risks and Hazards Identification Identify the source/s used and include necessary specific information (See Daily Pre-Task Plan for day-specific information)			
Used	N/A	Source	Specific Risk or Hazard that needs to be addressed
X		Pre-work Inspection of the work site	See SES HASP
X		MSDS review / includes any 'new' chemicals	MSDS Sheets Provided in HASP
	X	Crane Operations	
	X	Elevated Work	
X		Environmental Conditions	See SES HASP
X		Heavy Powered Mobile Equipment Use	Excavators to load soil into trucks, truck traffic
	X	Language / Communication Difficulties	
X		Materials to be used	See Pre-Task Plan
	X	Overhead Work / Rigging	
	X	Special Equipment to be used	
X		Trenching / Excavation	See SES HASP
	X	Utilities System tie-in / restrictions	
X		Other Risks or Hazards	PCB/VOC-contaminated soils; Sodium Persulfate
Anticipated Project Required Precautions & Protective Measures Be sure that each identified Risk or Hazard is addressed (See Daily Pre-Task Plan for day-specific information)			
Need	N/A	Area	Specific measures that are required
X		Access & Egress Plans (People & Equipment)	To be developed on site with SES work crew
	X	Barricades needed	
	X	BASF equipment / materials to be used	
	X	Electrical safety equipment required	
	X	Elevator use	
X		Emergency Equipment	See SES HASP
X		Emergency Plans / Emergency Responder	See SES HASP
	X	Fall protection	
X		First Aid / Medical Treatment provisions	See SES HASP
	X	HOT WORK Procedure requirements	
	X	HVAC System requirements	
	X	LINE-BREAKING procedure requirements	

<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date ( 11/20 )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Scaffolds / decking	
<input checked="" type="checkbox"/>		Temporary electrical power	See SES HASP
	<input checked="" type="checkbox"/>	Temporary Utilities services	
<input checked="" type="checkbox"/>		Trench / Excavation Boxes	See SES HASP
		Other Requirements	

Required Personal Protective Equipment (PPE) Identify the source/s used and check the appropriate boxes									
		<input type="checkbox"/> PPE GRID	<input checked="" type="checkbox"/> MSDS	<input type="checkbox"/> BASF Knowledge	<input type="checkbox"/> Work Provider Knowledge	<input type="checkbox"/> Prior SWP			
YES	NO	ITEM			YES	NO	Item		
<input checked="" type="checkbox"/>		Hardhat (either) <input type="checkbox"/> Fiberglass <input checked="" type="checkbox"/> Plastic				<input checked="" type="checkbox"/>	Rain Suit	<input type="checkbox"/> Jacket	<input type="checkbox"/> Pants
<input checked="" type="checkbox"/>		Safety Glasses, ANZI-rated, side shields				<input checked="" type="checkbox"/>	Chemical Suit	<input type="checkbox"/> Jacket	<input type="checkbox"/> Pants
	<input checked="" type="checkbox"/>	Goggles <input type="checkbox"/> Chemical <input type="checkbox"/> Dust				<input checked="" type="checkbox"/>	Personal Fall Protection Equipment		
	<input checked="" type="checkbox"/>	Faceshield			<input checked="" type="checkbox"/>		Gloves	<input checked="" type="checkbox"/> Chemical	<input type="checkbox"/> Work
<input checked="" type="checkbox"/>		Hearing Protection <input checked="" type="checkbox"/> Plugs <input type="checkbox"/> Muffs			<input checked="" type="checkbox"/>		Long sleeve shirt and steel toed boots with steel shank		
	<input checked="" type="checkbox"/>	Respirator <input type="checkbox"/> Half-mask <input type="checkbox"/> Full-face			<input checked="" type="checkbox"/>		Boots	<input type="checkbox"/> Rubber	<input checked="" type="checkbox"/> Other
	<input checked="" type="checkbox"/>	Dust Mask				<input checked="" type="checkbox"/>	Welding Protection		
	<input checked="" type="checkbox"/>	Fire Retardant Electrical Clothing				<input checked="" type="checkbox"/>	Retrieval System for Confined Spaces		
<input checked="" type="checkbox"/>		Eyewash Station			<input checked="" type="checkbox"/>		Mobile phone or radios		
<input checked="" type="checkbox"/>		Tyvek Suits			<input checked="" type="checkbox"/>		Insect repellent, sunscreen		
		Other PPE (list)			<input checked="" type="checkbox"/>		High-visibility, reflective vest		

Training Requirements		
Need	N/A	Area
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	BASF Safety Orientation (if required)
<input checked="" type="checkbox"/>		MSDS Reviews
<input checked="" type="checkbox"/>		Review of precautions listed above per SES HASP
<input checked="" type="checkbox"/>		Review of required PPE
		Other training (specify) -



<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date (1/1/20)</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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<b>STRATEGIC ENVIRONMENTAL SERVICES</b>  <b>PRE-TASK PLAN (PTP)</b>	<b>PROJECT / JOB / TASK (Description):</b> BASF Cranston/Civil Implementation	<b>LOCATION:</b> 180 Mill Street, Cranston, RI	<b>DATE</b>
<b>SES SUPERVISOR:</b> <i>Brian Roke</i>			

Note: SES Daily Report Forms are completed daily (see attached), documenting work progress, equipment, personnel, weather, issues encountered and resolution, health and safety actions/issues, changes in work conditions, client interface.

<b>Task List (Check off AND Circle today's activities)</b>	
<input type="checkbox"/>	Task 1 - Permitting
<input type="checkbox"/>	Task 2 - Mobilization/Site Prep/Road & Decontamination Road Installation/Erosion Controls
<input checked="" type="checkbox"/>	Task 3 - Excavation/Decontamination/Soil Stock Piling/Loading/ISCO/Dewatering/Liquid Management
<input checked="" type="checkbox"/>	Task 4 - Transportation and Disposal of Contaminated Material
<input checked="" type="checkbox"/>	Task 5 - Backfilling and Grading/Geotextile and Vegetation Placement
<input checked="" type="checkbox"/>	Task 6 - Demobilization

<b>Tasks, Potential Hazards, and Recommended Actions or Procedures</b>				
<b>Today's Activities (Check Each)</b>	<b>Task Number(s)</b>	<b>Hazards</b>	<b>Relative Hazard /Risk Rating*</b>	<b>Hazard Controls Mechanism and/or JSA (See HASP)</b>
<input checked="" type="checkbox"/>	3	Chemical Hazards	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B1 Chemical: JSA 10
<input checked="" type="checkbox"/>	3,4,5	Dust/Fumes/Particulates	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B2 Dust: JSAs 1,2,4,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Job Zone Control	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B3 Job Zone Control; All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Heat	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B4 Heat: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Cold	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B5 Cold; All JSAs
<input checked="" type="checkbox"/>	1,3,4,5,6	Severe Weather	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B6 Severe Weather: All JSAs
<input checked="" type="checkbox"/>	3,4,5,6	Walking/Working Surfaces	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B7 Safe Walking Surfaces and Work Areas: JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Noise	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B8 Noise: All JSA's
<input type="checkbox"/>	5,6	Live Electrical Equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B14 Live Electrical Equip: JSA 5,6,9
<input type="checkbox"/>	4,5	Poor Lighting	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B7 Safe Walking Surfaces and Work Areas; JSA 1,3,4,7
<input type="checkbox"/>	4,5,6	Overhead Hazards	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B15 Overhead Hazards: JSA 2,5,6
<input checked="" type="checkbox"/>	3,4,5,6	Traffic Management (Vehicle, pedestrian interference)	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B17 Traffic Management: All JSA
<input checked="" type="checkbox"/>	5,6	Heavy machinery/drill rigs	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B18 Heavy Machinery: JSA 4,5
<input checked="" type="checkbox"/>	5,6	Trenching/Excavation	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High	B19 Trenching/Excavation: JSA 4,5,6,8
<input checked="" type="checkbox"/>	1,3,4,5,6	Vehicle use	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B20 Vehicle Use: All JSA
<input checked="" type="checkbox"/>	2,3	Work near/on water	NA <input checked="" type="checkbox"/> Low <input type="checkbox"/> Medium <input type="checkbox"/> High	B21 Work Near/On Water: JSA 1
<input type="checkbox"/>	4,5	Elevated heights (<4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High	B22 Working from Heights (<4 feet)



Project:  
BASF Facility  
Cranston, RI  
Date (1/1/20 )

## DAILY SAFE WORK FORM

SES  
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<input type="checkbox"/>	4,5	Elevated heights (>4ft)	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B23 Working from Heights (>4 feet)
<input type="checkbox"/>	5,6	Overhead/underground utilities	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B24 Overhead/Underground Utilities: JSA 1,3,4
<input type="checkbox"/>	4,5,6	Powered hand tools	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B25 Electrically Powered Equipment and Tools: JSA 9
<input type="checkbox"/>	4,5,6	Electrically powered equipment	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B25 Electrically Powered Equipment and Tools: JSA 9
<input type="checkbox"/>	4,5,6	Cutting devices/tools	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B26 Cutting Devices/Tools; JSA 9
<input type="checkbox"/>	4,5	Drums, cylinders, containers	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B1 Chemical: JSA 4
<input type="checkbox"/>	3,4,5,6	Material handling, ergonomics	NA <input type="checkbox"/> Low <input type="checkbox"/> Medium <input checked="" type="checkbox"/> High <input type="checkbox"/>	B29 Material Handling/Ergonomics: JSA 2,6,7,9
<input type="checkbox"/>	3,5,6	Poisonous/irritating plants	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Plants and Animals: All JSAs
<input checked="" type="checkbox"/>	4,5,6	Insects/rodents/snakes	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Plants and Animals; All JSAs
<input type="checkbox"/>	3,5,6	Ticks, mosquitos	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B32 Poisonous Plants, Animals, and Insects; All JSA
<input checked="" type="checkbox"/>	1,3,4,5,6	Employees working early/late	NA <input type="checkbox"/> Low <input checked="" type="checkbox"/> Medium <input type="checkbox"/> High <input type="checkbox"/>	B34 Personal Safety; All JSAs
<input type="checkbox"/>	Note: A single hazard may be listed under several Tasks. In this case, use the highest Severity ranking of the tasks evaluated as the overall ranking.			

Description of Any Additional Activities, And Associated Health and Safety Risks and Protective Procedures/Equipment:  
Use of hammer and safety of operator and personnel due to operation and debris.

**BASF**  
**180 Mill Street, Lot 1102**  
**Cranston, RI**

Date	Name	Company Name	Time In	Time out
11/20/18	Michael Jamros	SES	0630	1500
11/20/18	John Conner	SES	0700	1500
11/20/18	John Leighton	SES	0700	1530
11/20/18	Brett Sullivan	SES	0700	1500
11/20/18	Earle Jammelleo	Diprote	0700	0930
11/20/18	Aaron Ting	AEI	0700	1530
11/20/18	Charles McCarthy	SES	0715	1800
11/20/18	Joseph Pichan	AEI	0710	1500
11/20/18	Evan Harnby	AEI	0730	1420
11/20/18	B. ROR	SES	09:00	15:30
11/20/18	R Kowalski	AEI	10:00	10:55

11/20/18 Waste Prod

Warwick Tree

10:15 10:40

11/20/18 J. K. K.

Warwick Tree

10:15 10:40

11/20/18 Casey Daniel

Warwick Tree

10:15 10:40

11/20/18 J. K. K.  
 Warwick Tree  
 10:15  
 10:40

# DAILY PROJECT REPORT



Project: BASF, Lot 1102  
180 Mill Street  
Cranston, RI

Submitted By: Aaron C. Ting  
 Signature: \_\_\_\_\_  
 Date: 11/21/2018

Weather: Partly Cloudy

Daily  
 Precipitation: 0" Temp: 43-13  
 (Hi - low)

PERSONNEL/EQUIPMENT		Owner/Representative: N/A	
Contractor	No.		
	Superintendent		
	1 Foremen	SES	
	H&S/QA Officer		
	2 Operators	SES	
	1 Laborers	SES	
	Other Trades (Surveyor)		
SubContractor	No. Company/Firm		
	7 Total Personnel On Site		

## MAJOR EQUIPMENT:

1 support truck, Bobcat 289D skid steer, CAT 320C and 320E excavators  
 CAT 996H Loader, 5 and 1 micron filters, vibratory roller

carbon filtration system

2-trash/recycling bins, 2-100 yd rail cars, 1-21,000 gallon frac tanks

4,000 gallon baffle, 10,000 gallon, 8,000-gallon and 20,000 gallon frac tanks

## EQUIPMENT/MATERIALS RECEIVED:

Bobcat E50 with hammer attachment

4,000 gal baffle ACT 11/21/18 CL

## WORK COMPLETED:

Excavated the following stake locations:

- 385-394; Type 2A soils, 2' depth;
- 388-395; Type 2A soils, 1' depth;
- 377-380, Type 2A soils, 1' depth;
- 390-396, Type 2A soils, 4' depth.

Four loads (about 72.7 cy; 120 tons) of soil removed and live loaded directly into 18-cy triaxle trailer for transport/disposal to RIRRC in Johnston, RI. AEI collected post excavation soil samples for PCBs (Dexsil and/or laboratory analysis).

Redig (half day) of Type 2A soils. About 5 cy removed and live loaded into 18-cy triaxle trailer for transport/disposal to RIRRC in Johnston, RI. AEI collected post excavation soil samples for PCBs (Dexsil).

Decontaminated the carbon/micro-filtration vessels onsite using double wash-rinse method and Capsur as the solvent. Also, decontaminated the Bobcat E50 with hammer attachment in a similar manner, double wash-rinse method and Capsur. Bobcat was demobilized from the site today. The spent carbon was removed from the vessels and stockpiled with the soil on Lot 2682, designated for offsite disposal to WM Emelle.

Used vibratory roller to compact northern one-third of site in preparation for final cover (i.e., Mirafi and gravel borrow) scheduled to commence next week.

Backfilled excavations using wedge soils (about 15 cy) and imported material (about 44 cy).

Discussed impermeable liner status with SES. SES to obtain additional rolls via their vendor (Nilex) due to difficulties with Cranston LF contacts. The additional impermeable liner is scheduled to be onsite mid-next week. SES intends to emplace Mirafi and liner onsite early next week.

JP Noonan onsite to transport treated GW offsite. 9,000 gallons of treated GW transported to the Global facility in Taunton, MA.

AEI setup perimeter dust monitors. No dust alerts observed.

## HEALTH & SAFETY:

AEI has reviewed SES's Safe Work Form/Pre-Task Plan for today, and verifies, by signing below, that these documents comply with the procedures and content of SES's HASP."

AEI Signature \_\_\_\_\_

SES/AEI conducted daily H&S tailgate meeting to review work scope and safety precautions/JSAs associated with safe work practices. See SES SWP/PTP for topics discussed and issues raised.

## ISSUES/CHANGES/RESOLUTIONS:

AEI issued field change directive related to seaming of separate impermeable liner panels. Change directive included use of Agru LLDPE in addition to Nilex and Geo-Seal or equivalent for seaming.

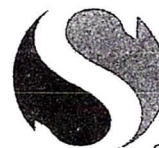
## DISCUSSIONS/CLIENT DIRECTION:

N/A

ACT 11/21/18 RE

ACT 11/21/18 RE





# DAILY WORKSHEET

Date: 1/12/18

Project Number: 18-0315

## CLIENT / SITE INFORMATION

Name: BASF

Address: 180 Mill St

Contact:

PROJECTS NOTES MOB TO SITE HAS TRAILGATE SET UP DIG OUT 6 LOADS OF SOIL OUT OF PARKING LOT CELL 320, 390, 391 AND REDIG 383 540S DIS LIVE LOAD DID NOT USE LOADER WEIGHT. CLEAN OUT CARBON SYSTEM CAPSULE WASH + WIPE SAMPLE. FILL IN CELL 393 WITH CLEAN SOIL AND STARTER CLEAN ALL HOSES + PUMPS ROUGH GRADE SITE (15cy wedge, 244cy imported)

## LABOR

## MATERIALS / EQUIPMENT / TOOLS

Name	Position	Travel	On-site	Off-Site	Travel	Quantity	Item / Description
B. ROSE	FS	5:30	6:30	14:00	16:00		PPE Level: A B C D
M. JAMPAS	FT	5:30	1	15:00	15:30	1	320
C. MC CARTHY	FT	6:00	1	15:00	15:30	1	966 LOADER
J. LEIGHTON	OP	1	1	14:30	15:30	1	SKID STEER
J. GOMES	OP	1	1	15:00	15:30	1	ROLLER
						1	CAT 320 SES
						1	TO FILL
						1	20 YD CAN
						4	GEN

## SUBCONTRACTORS

## WEATHER OBSERVATIONS

Project Manager's Signature:

Client's Signature:

[illegible]

<b>Project:</b> <b>BASF Facility</b> <b>Cranston, RI</b> <b>Date ( 11/22 )</b>	<b>DAILY SAFE WORK FORM</b>	<b>SES</b> <b>(Page __ of __)</b>
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